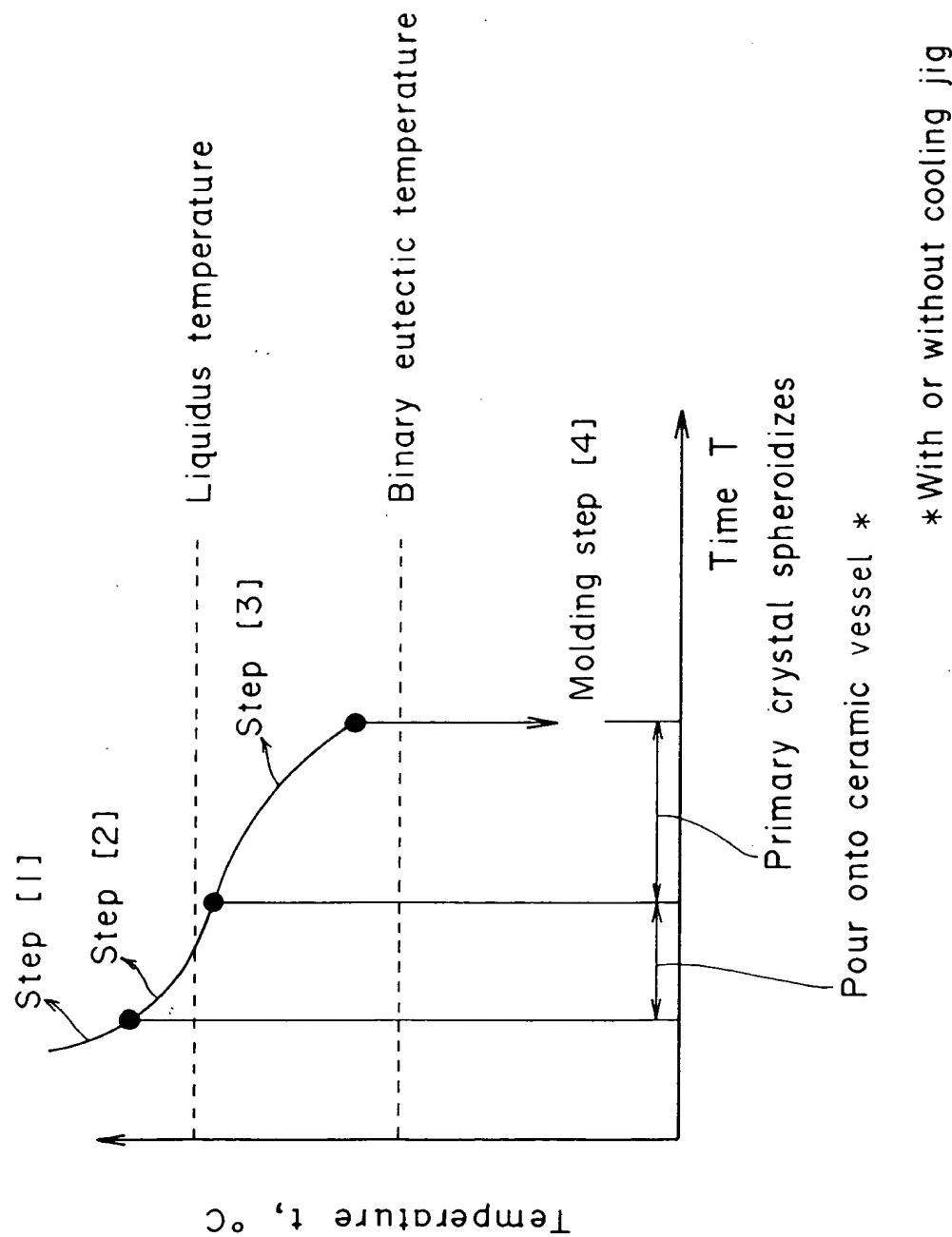


APPROVED	O.G. FIG.
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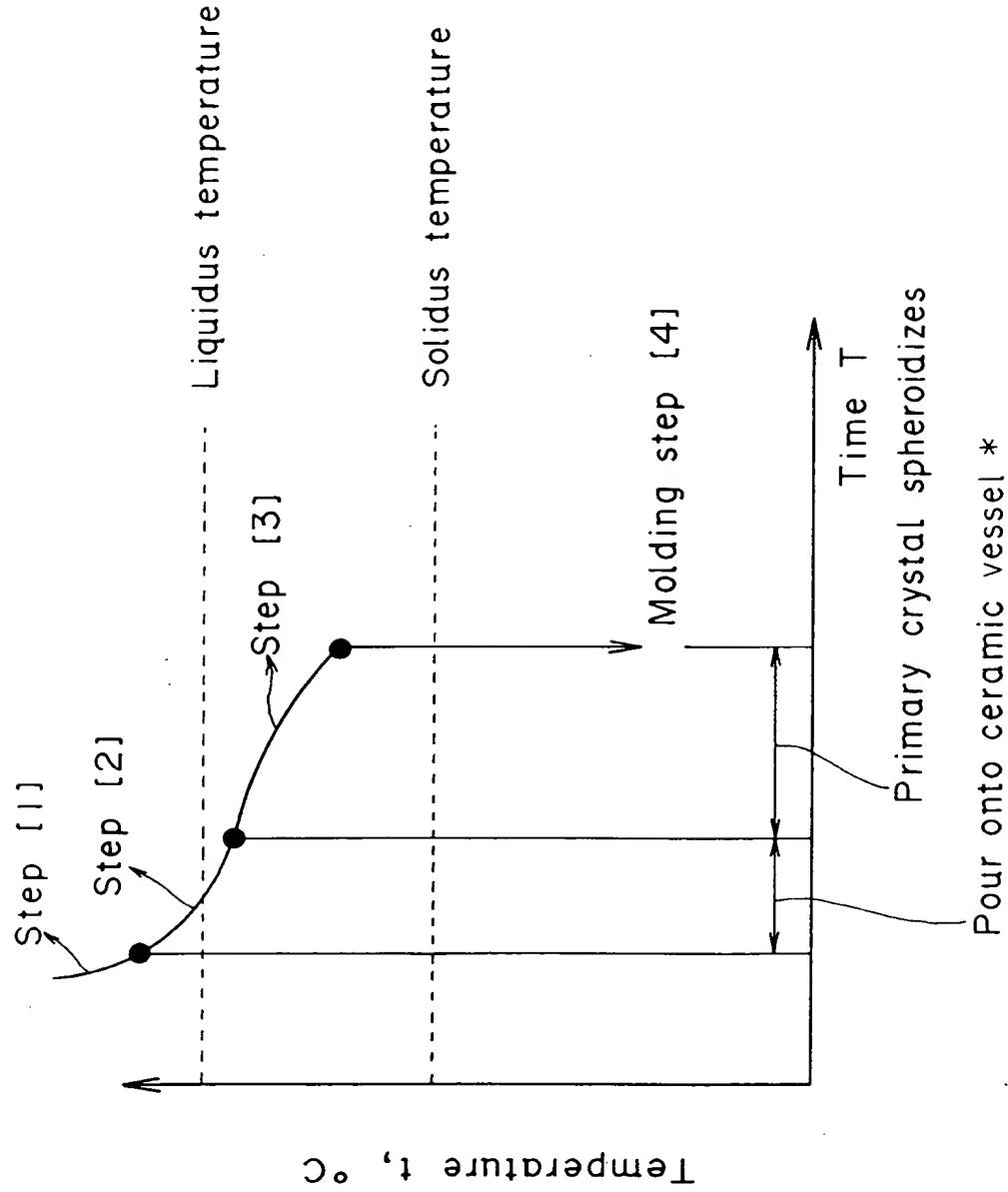
FIG. I



APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

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FIG. 2



*With or without cooling jig

FIG. 3

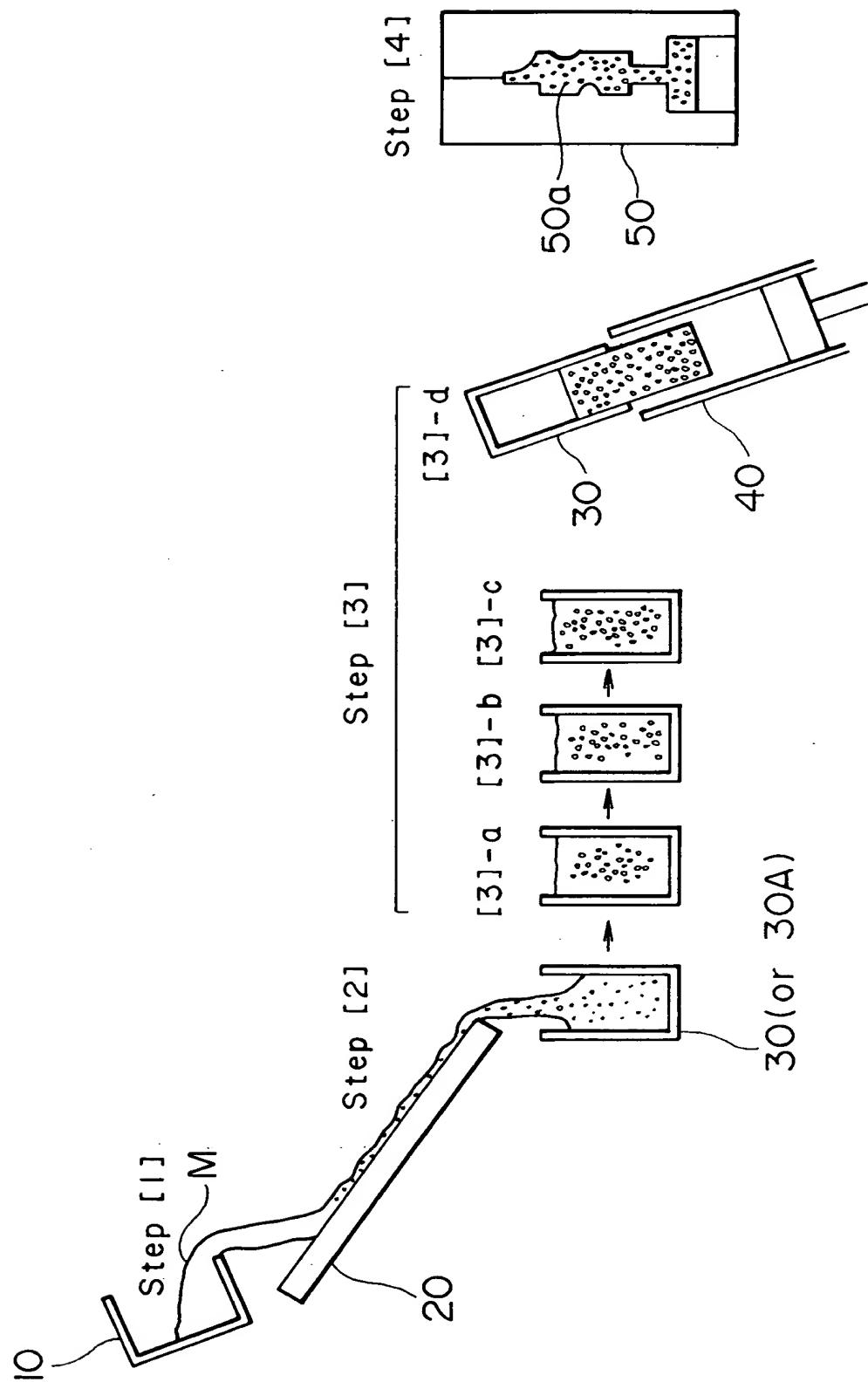


FIG. 4

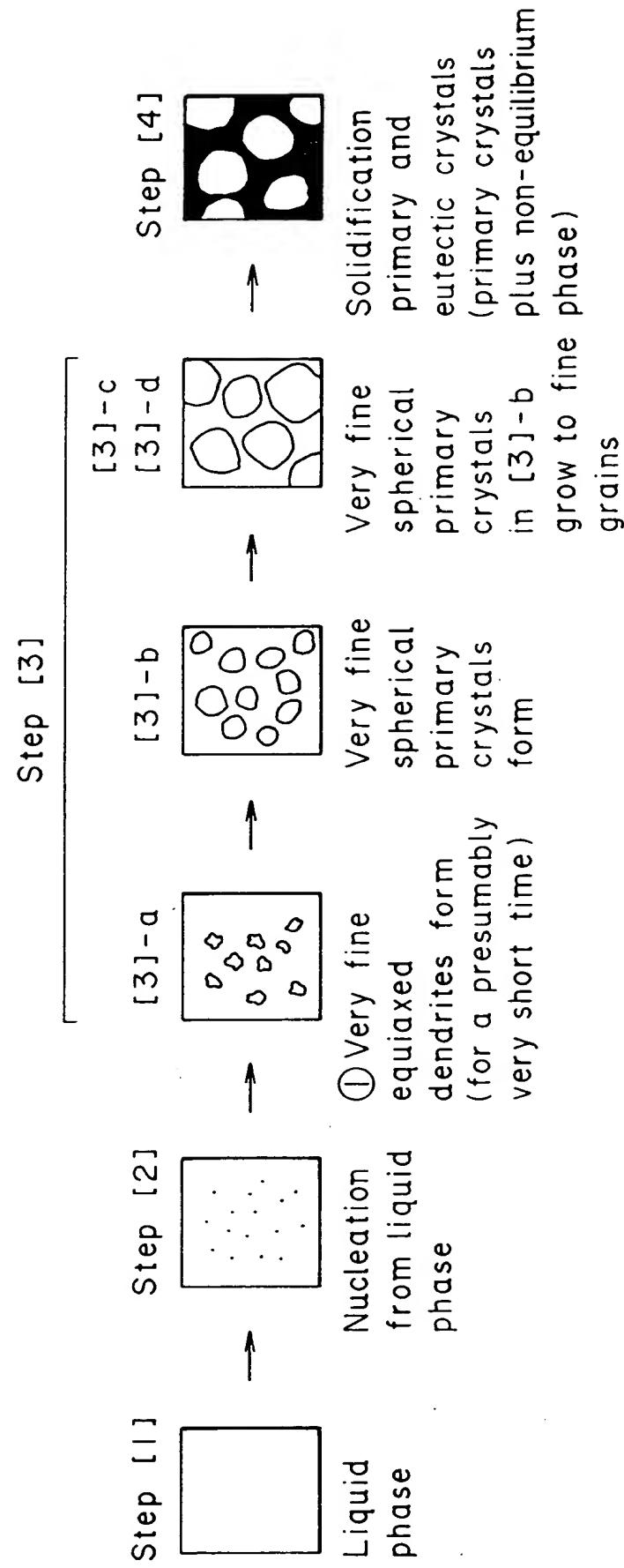
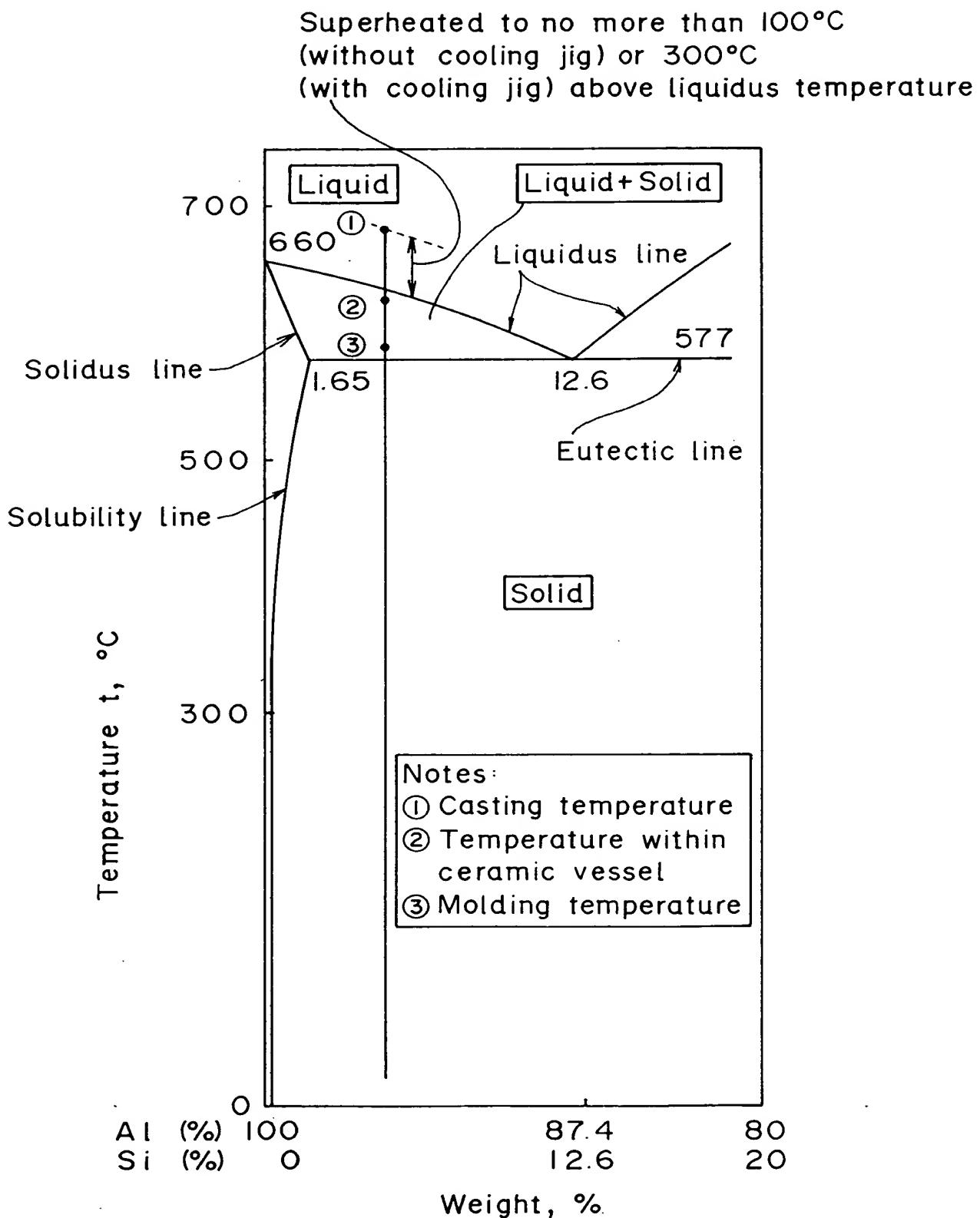


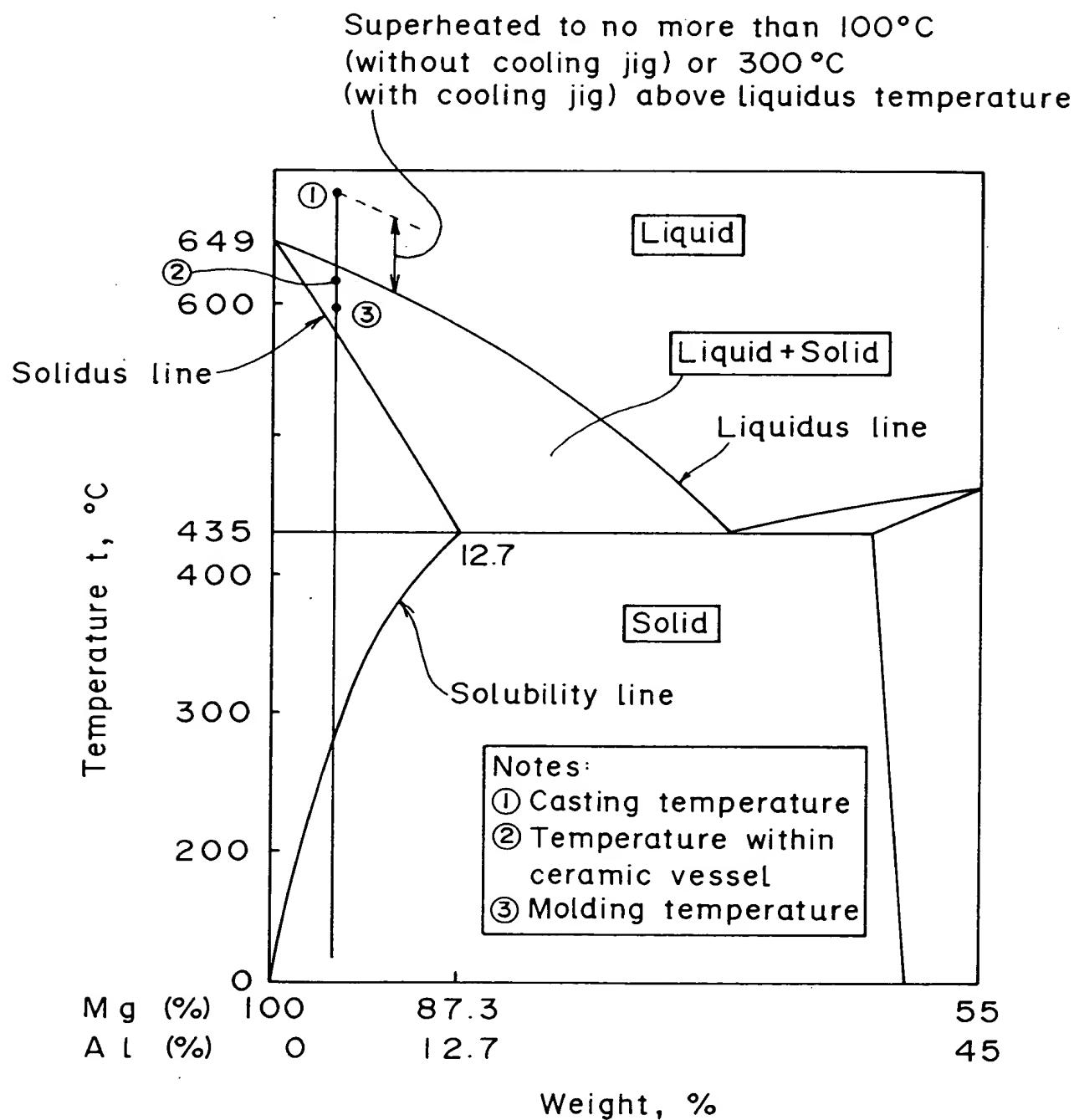
FIG. 5



APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

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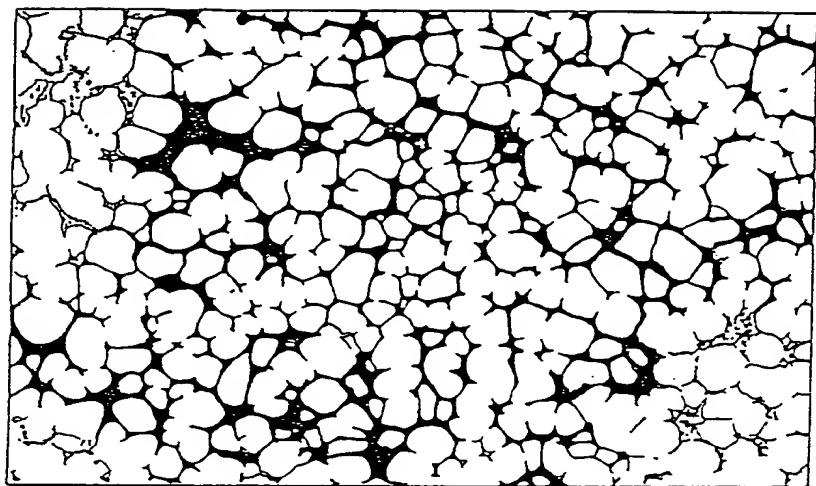
FIG. 6



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

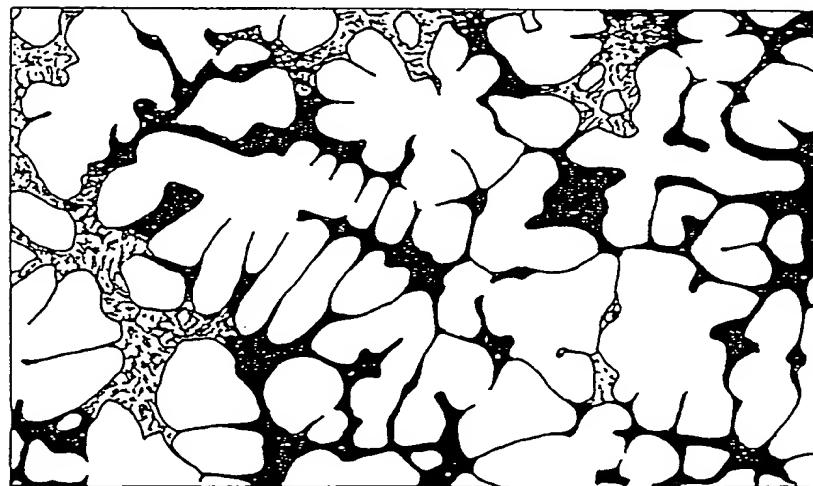
IR 672378

FIG. 7



100 μ m

FIG. 8 Prior Art



100 μ m

APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

NR 672378

FIG. 9

Temperature of melt is, depending on cases,
higher or lower than the liquidus temperature

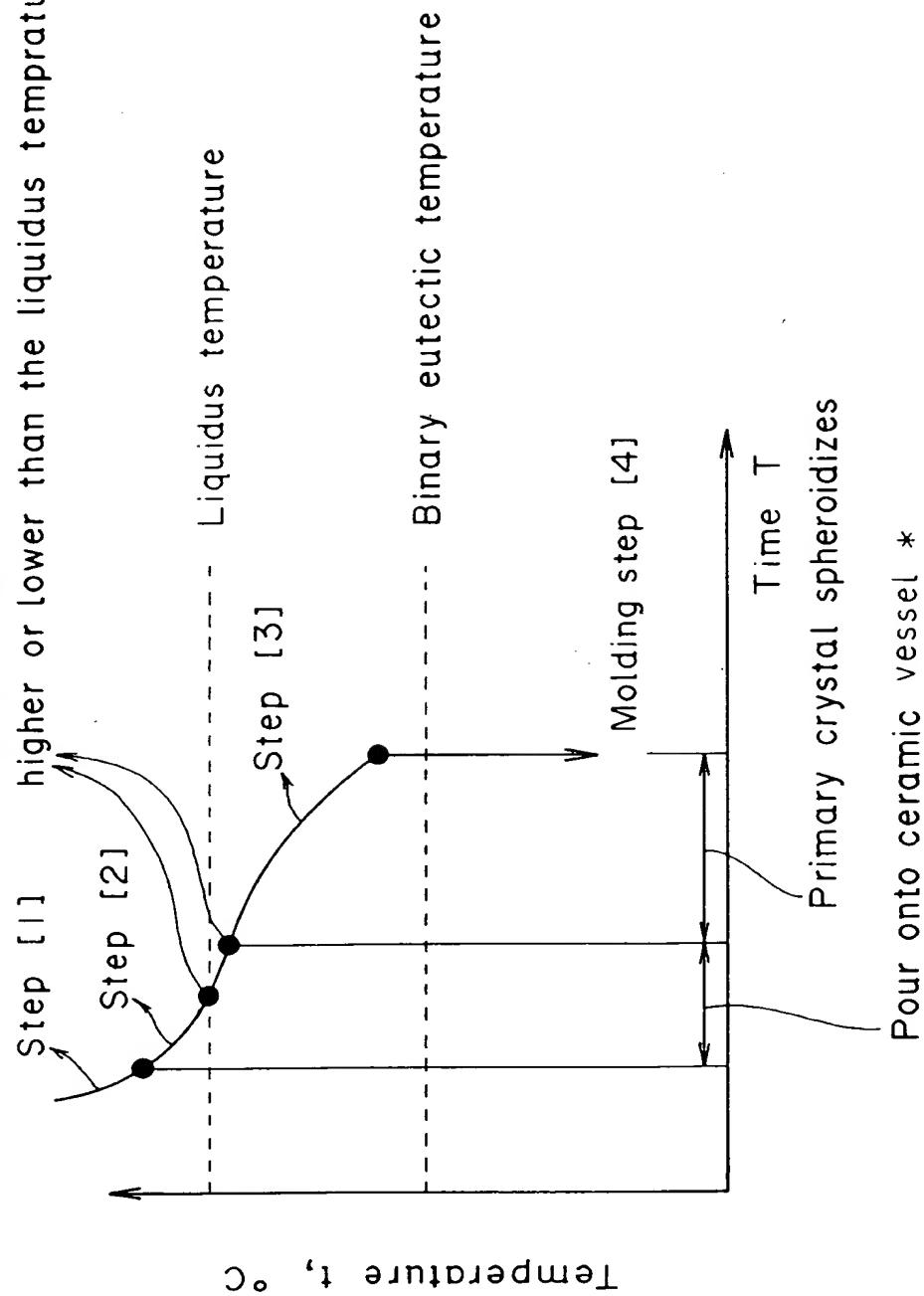


FIG. 10

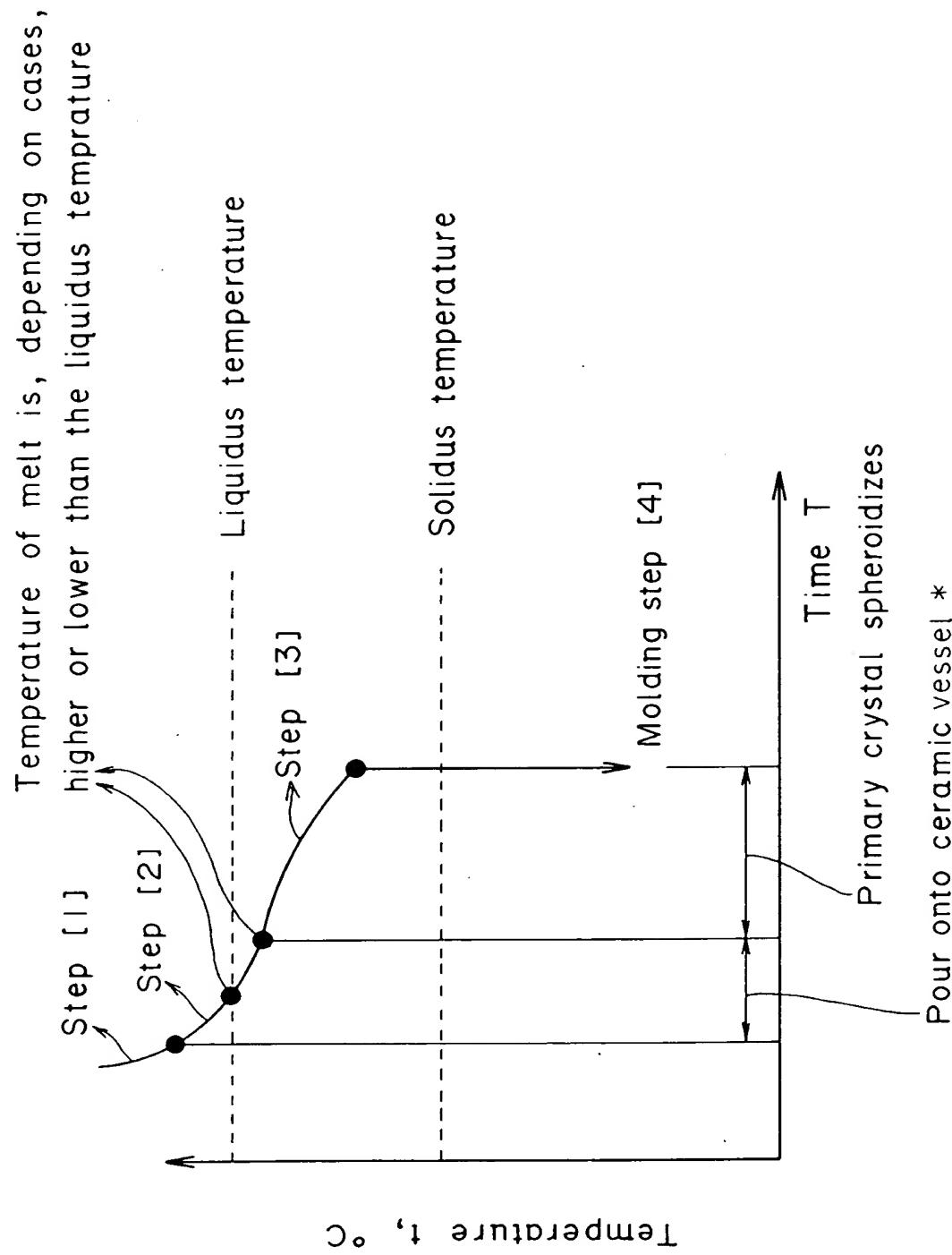


FIG. 11

Temperature of melt is, depending on cases,
higher or lower than the liquidus temperature

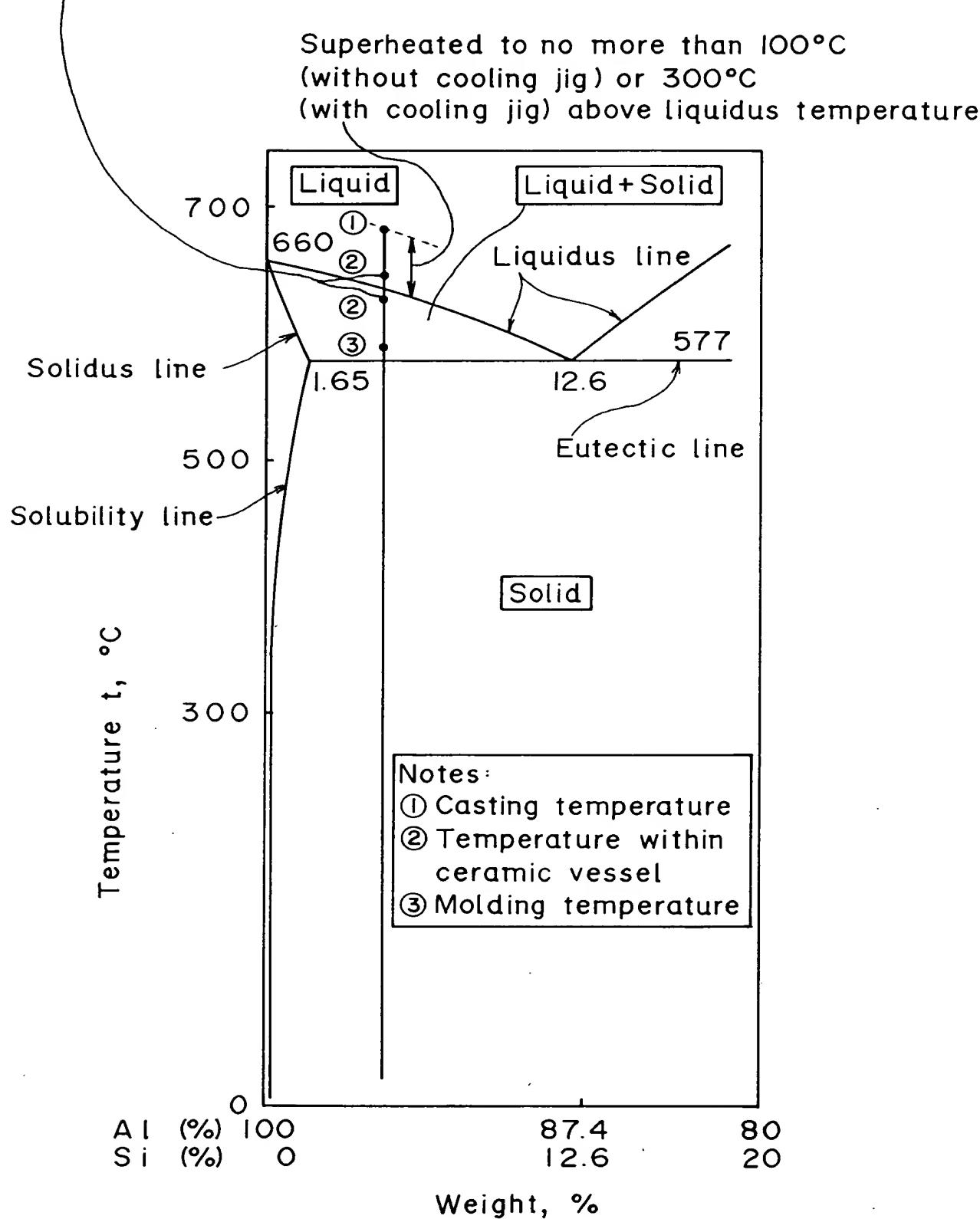
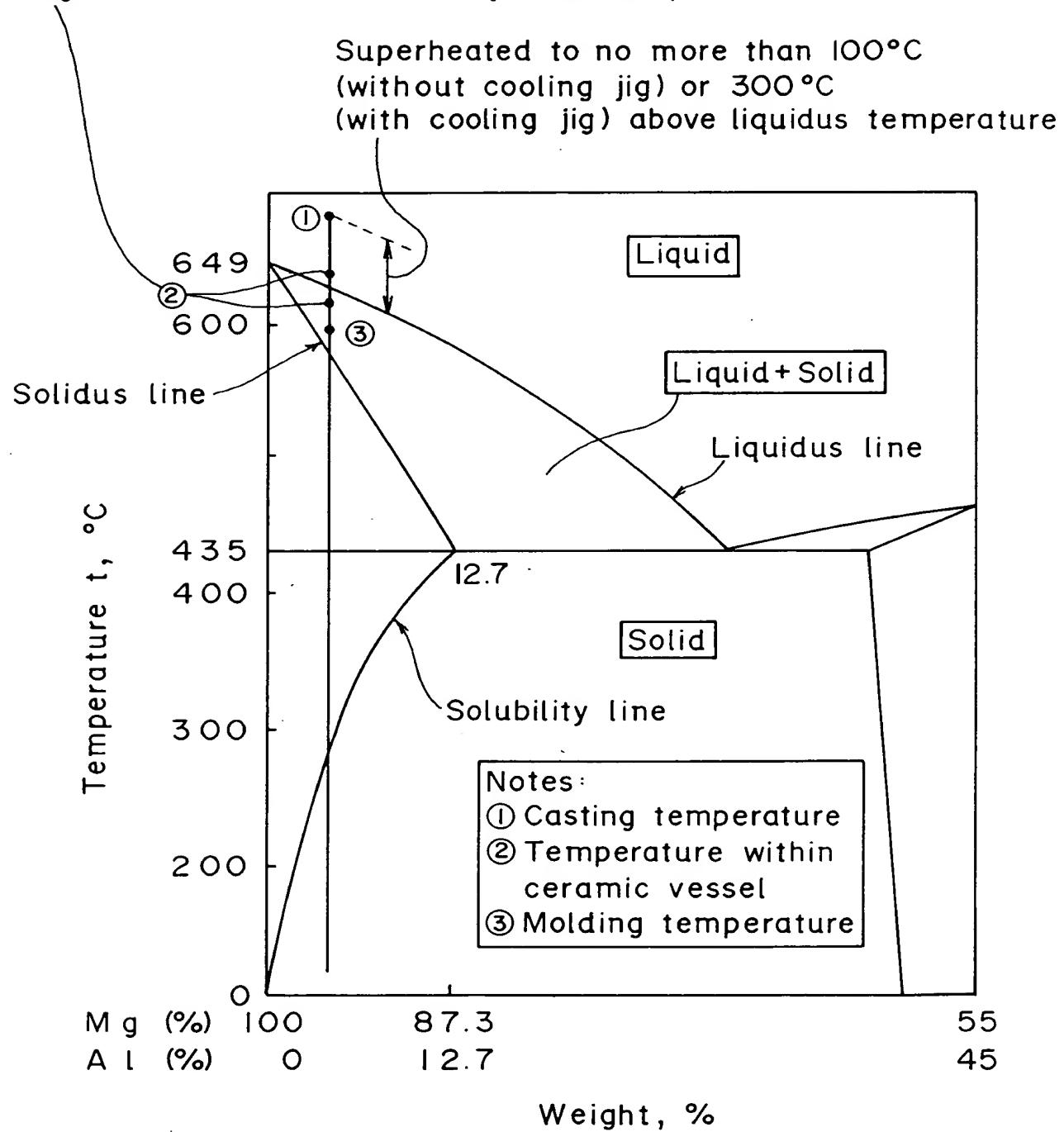


FIG. 12

Temperature of melt is, depending on cases,
higher or lower than the liquidus temperature



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

IR 672378

FIG. 13

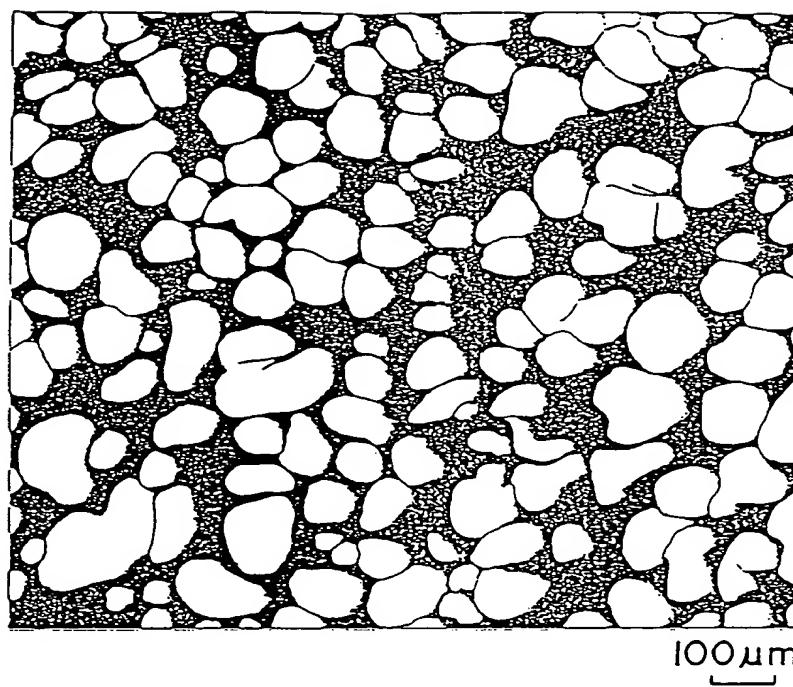
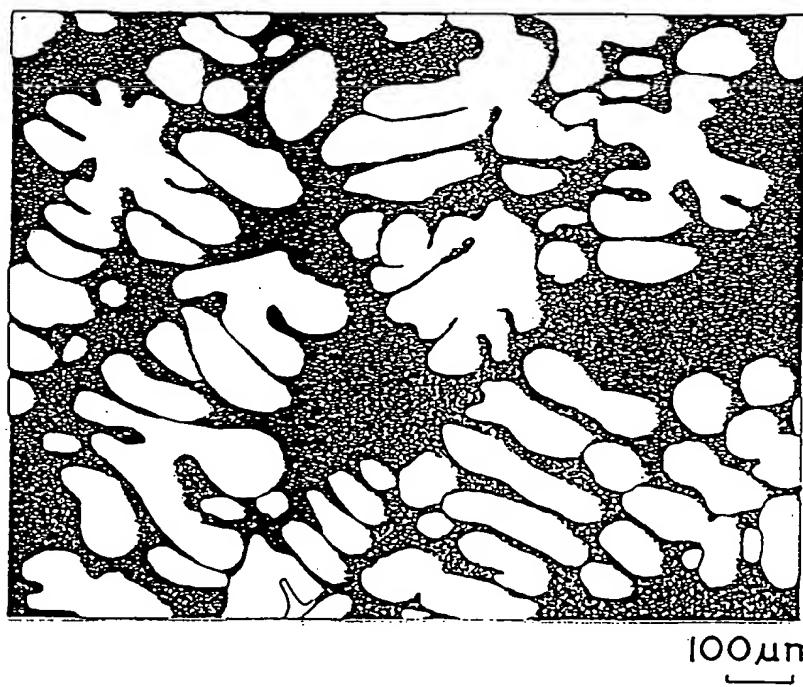


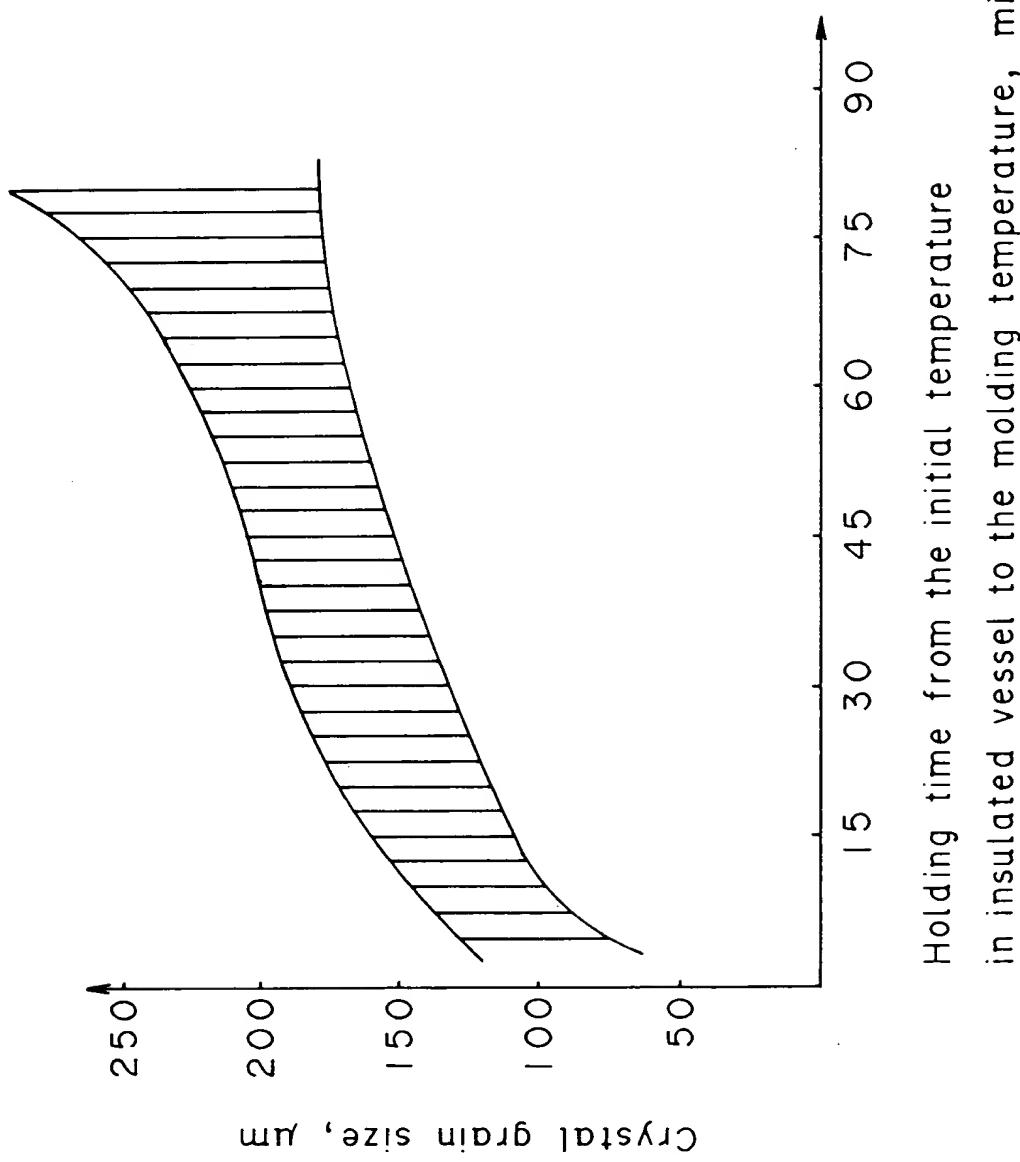
FIG. 14 Prior Art



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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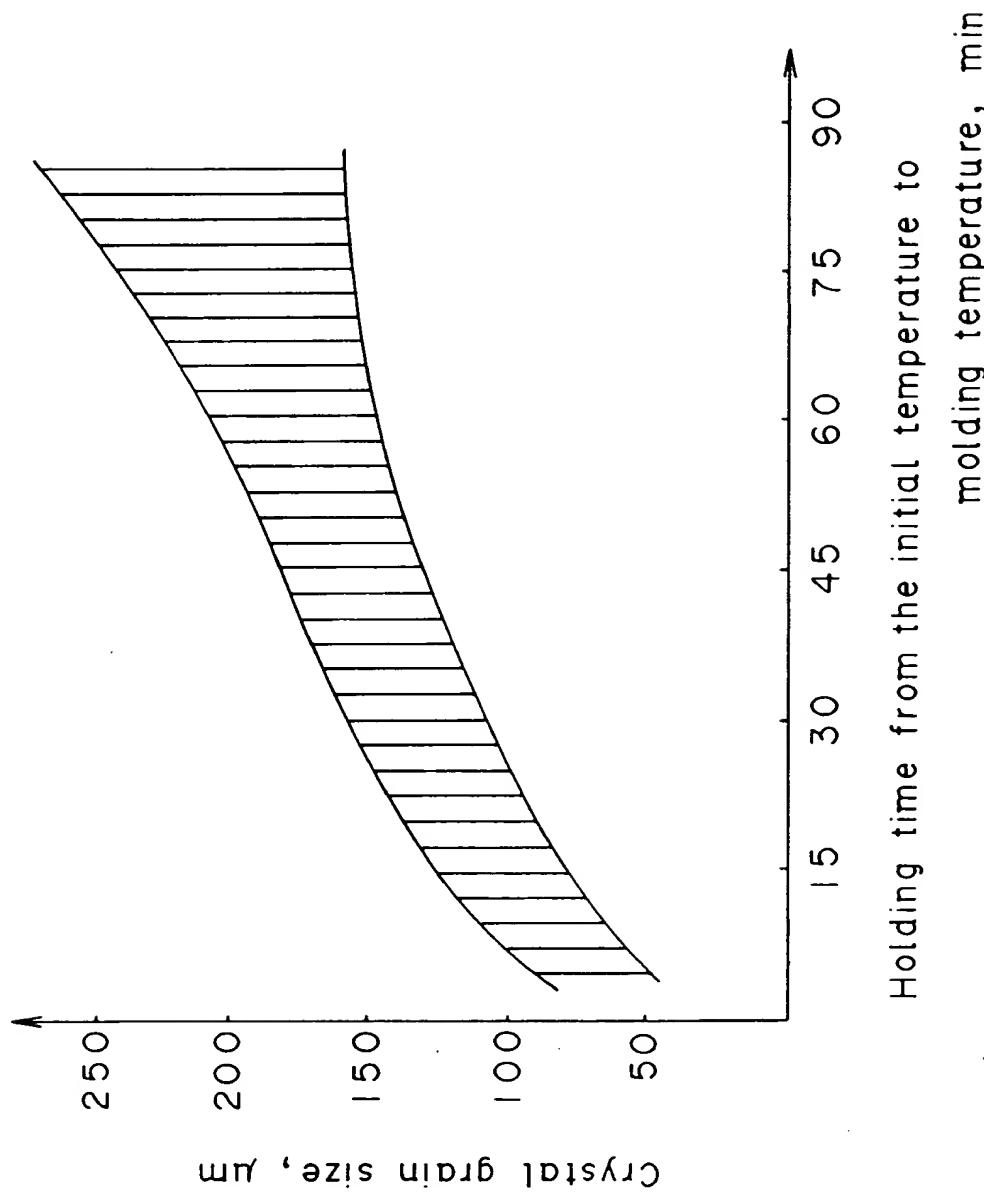
FIG. 15



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

IR 672378

FIG. 16



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

672378

FIG. 17

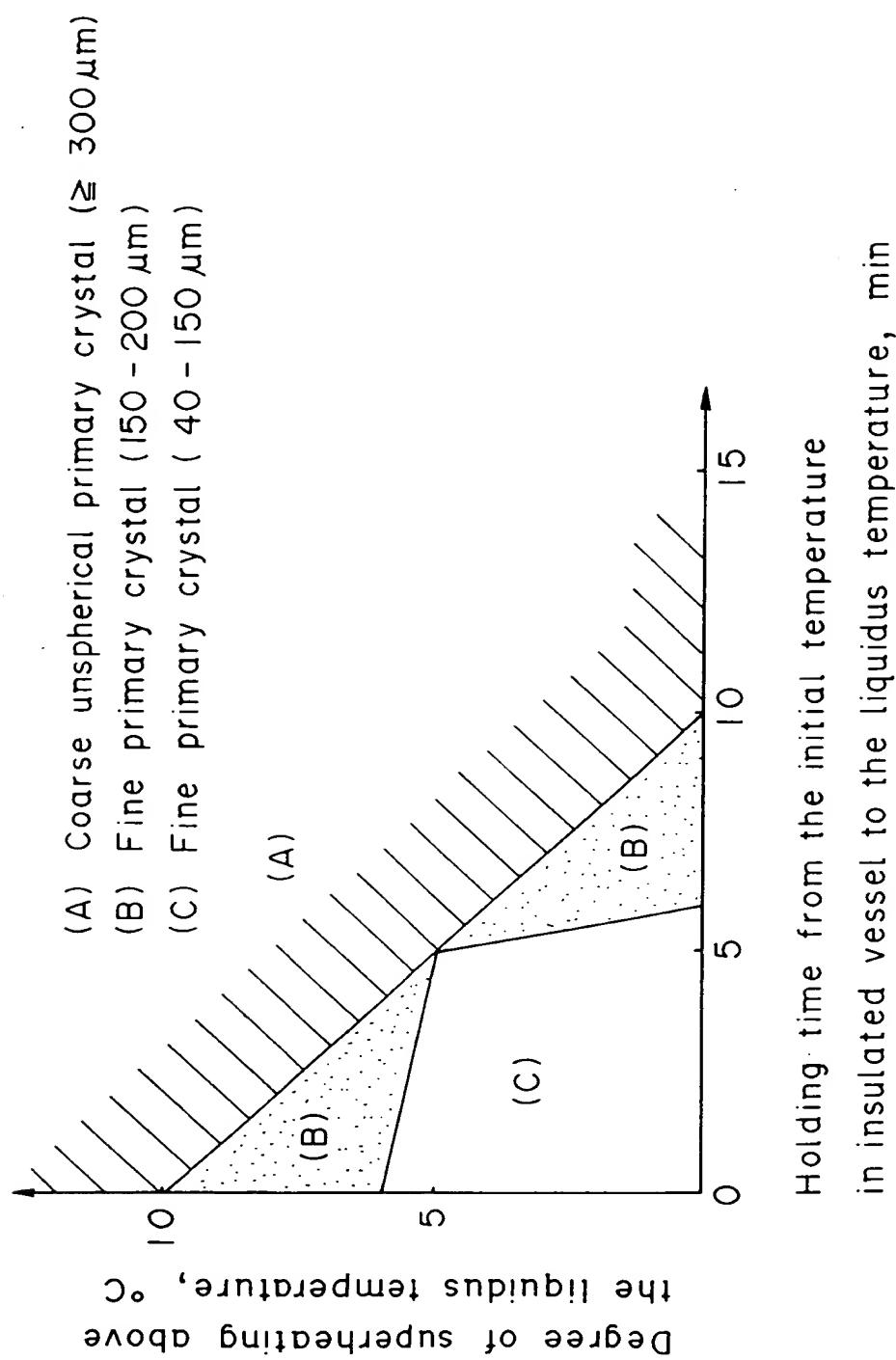
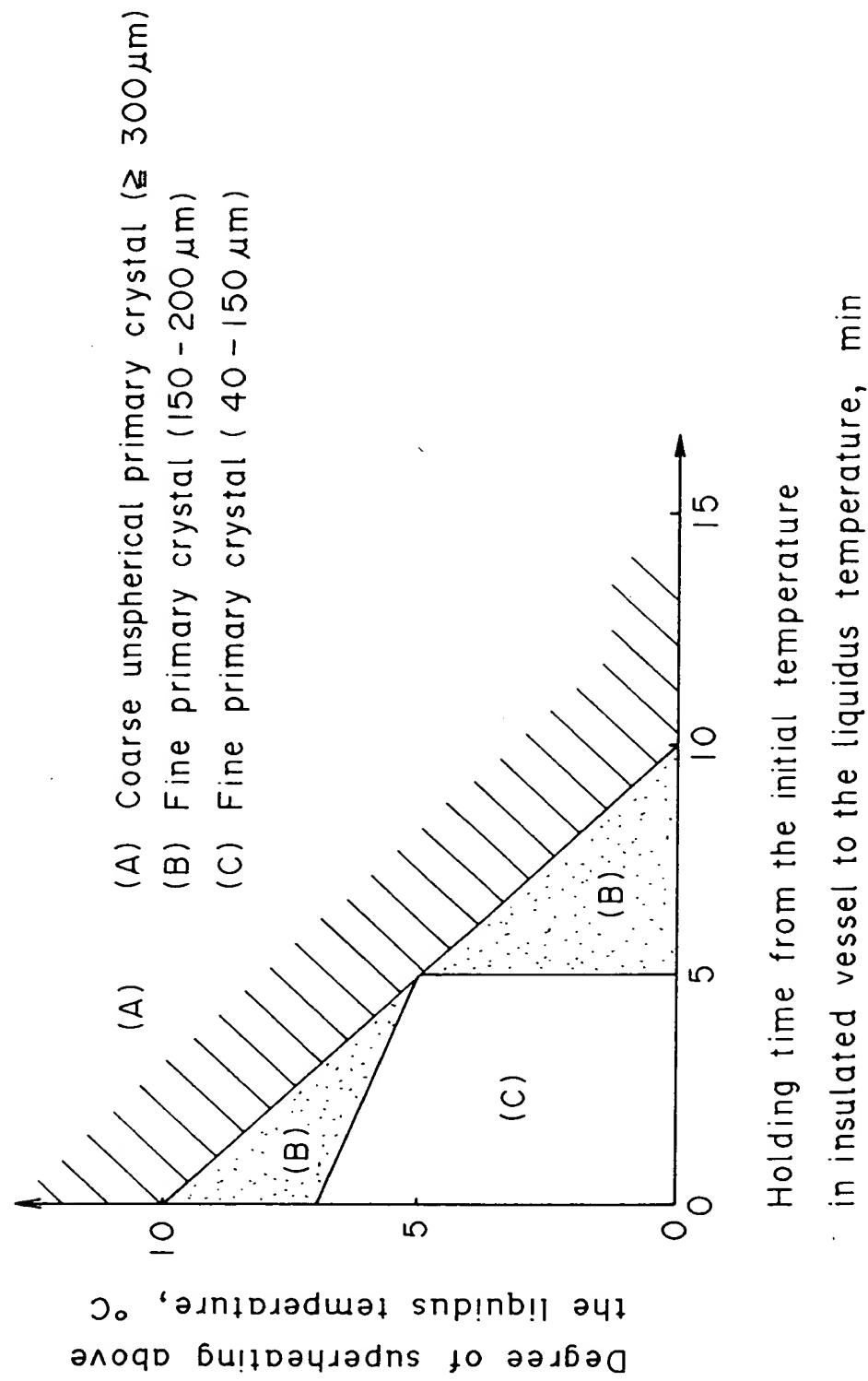


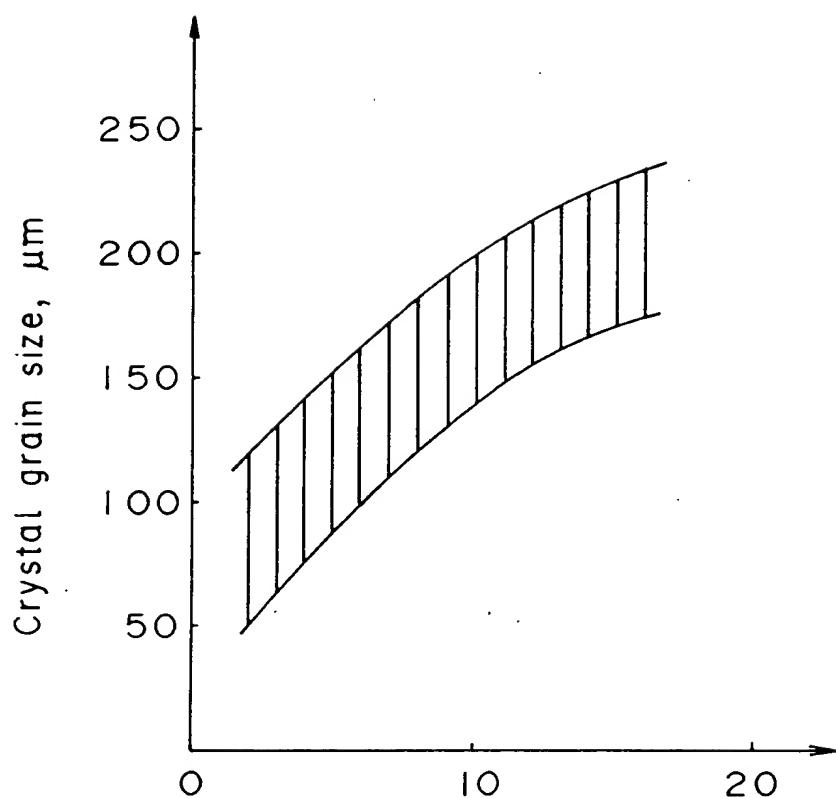
FIG. 18



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 19

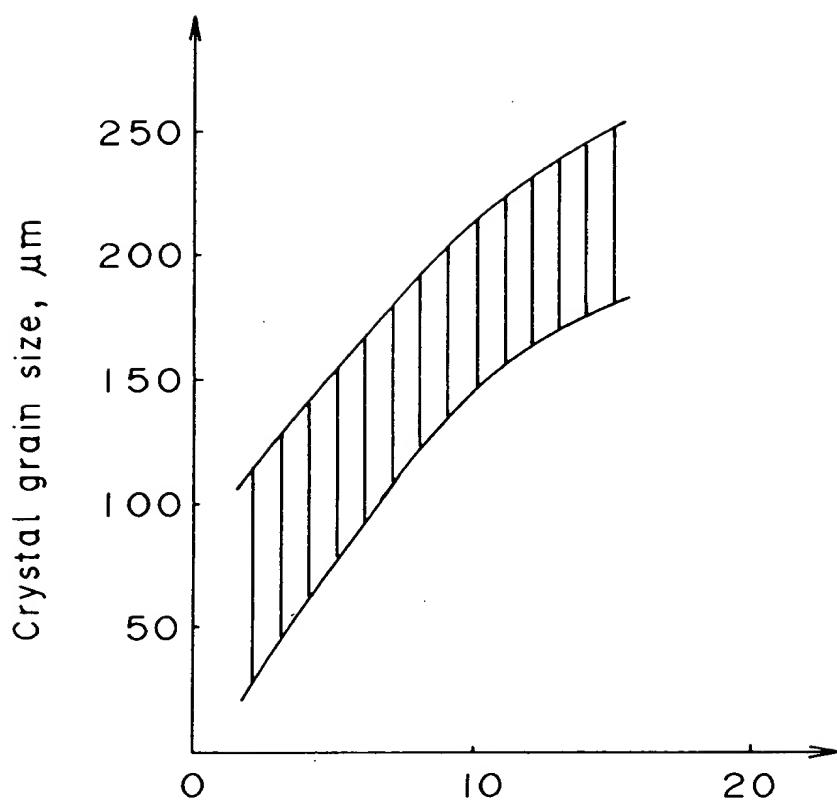


Holding time from the initial temperature
in insulated vessel to the liquidus
temperature minus 5°C , min

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

672378

FIG. 20



Holding time from the initial temperature
in insulated vessel to the liquidus
temperature minus 5°C, min

FIG. 21

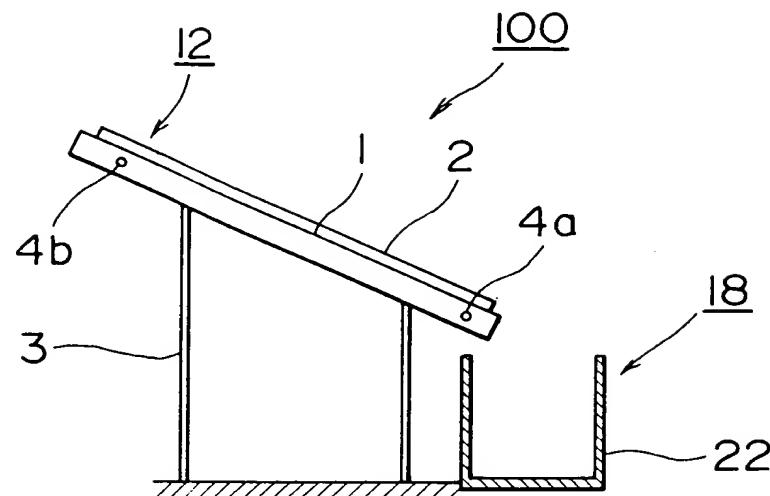


FIG. 22

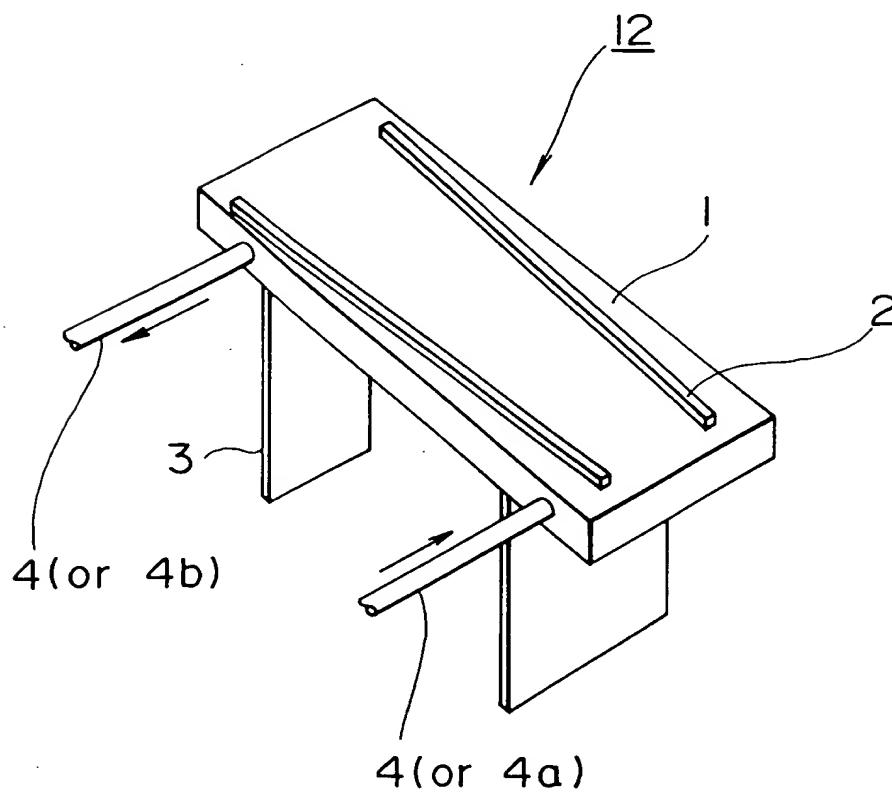


FIG. 23(a)

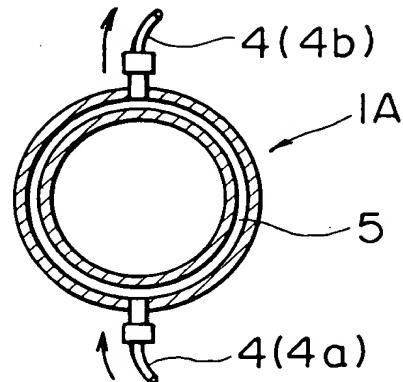


FIG. 23(b)

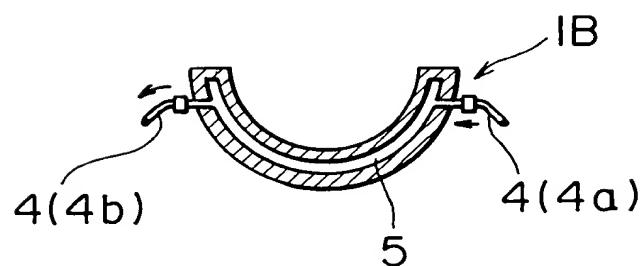
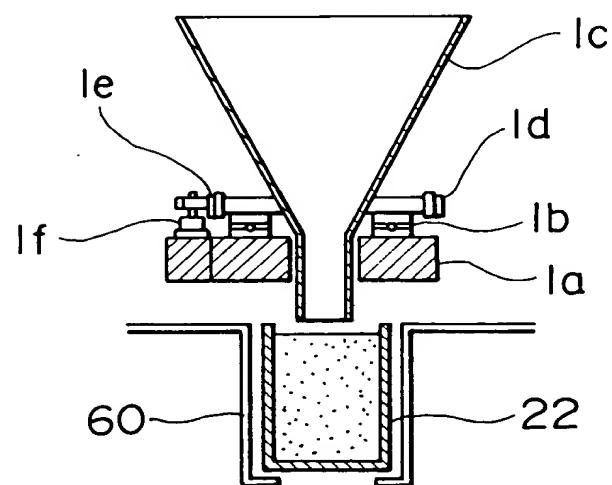


FIG. 24



APPROVED	O.G. FIG.
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FIG. 25

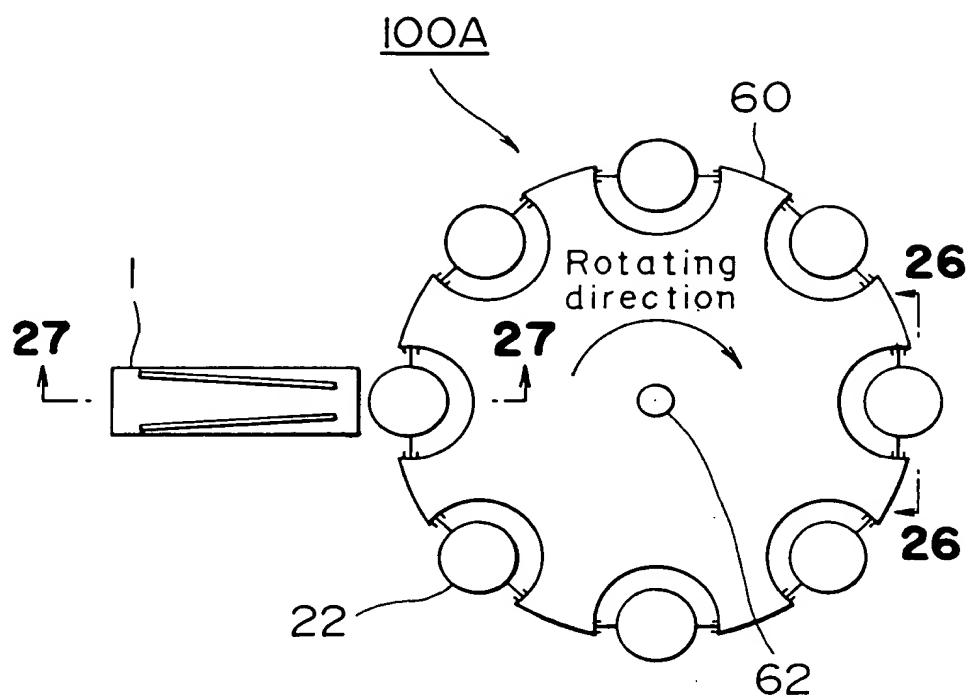


FIG. 26

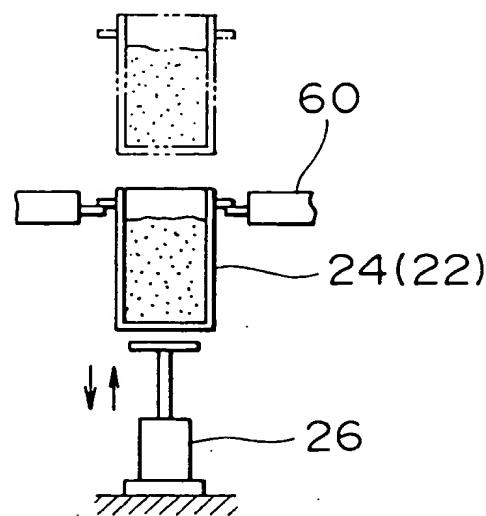


FIG. 27

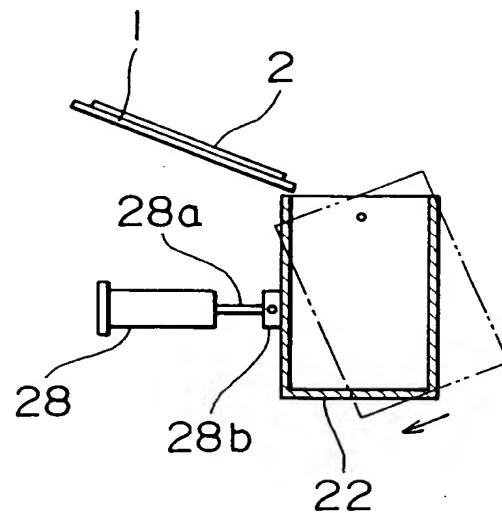


FIG. 28

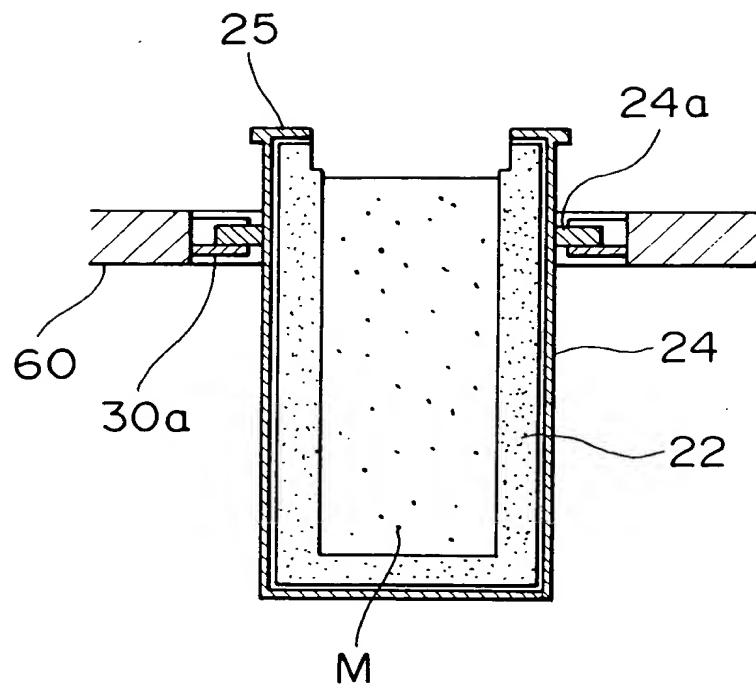


FIG. 29

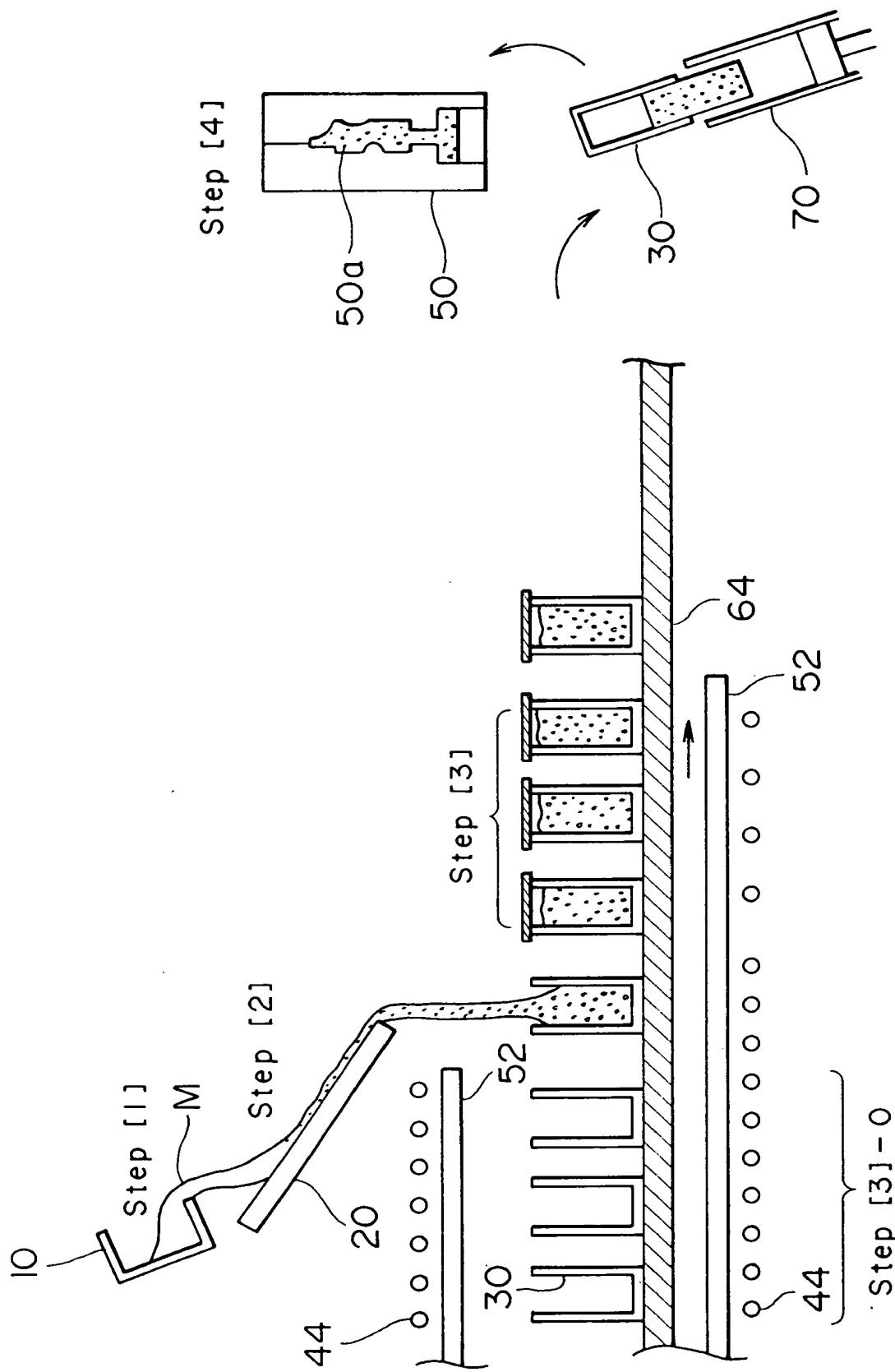


FIG. 30(a)
Left to cool at
both top and bottom

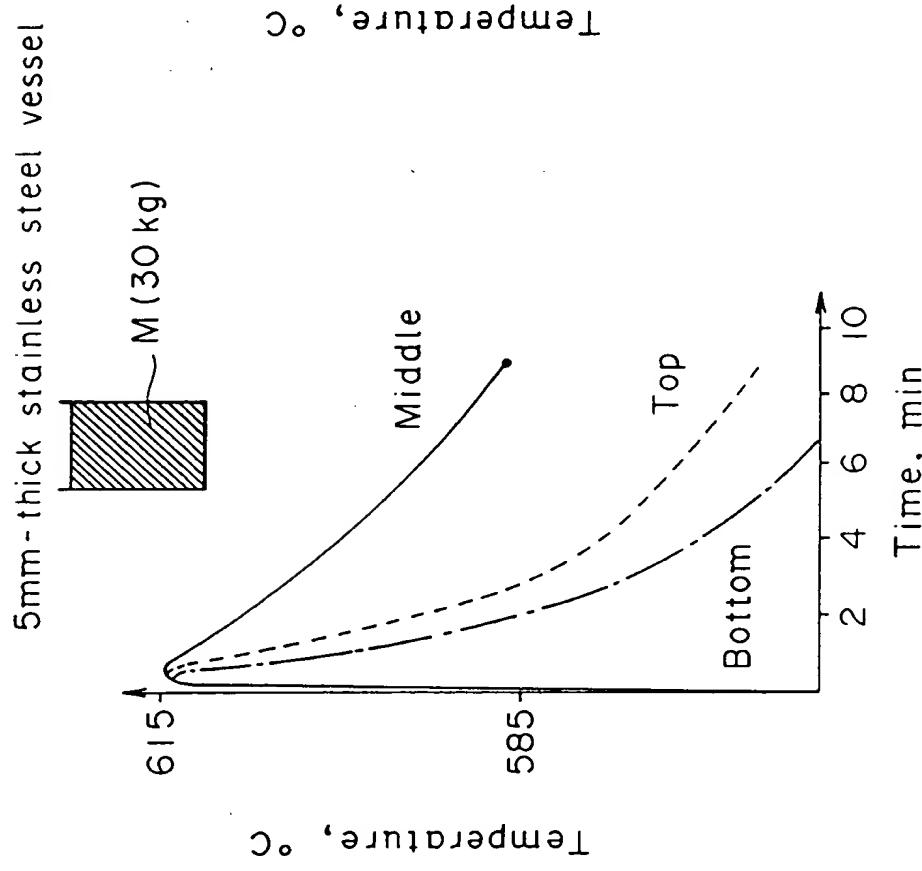
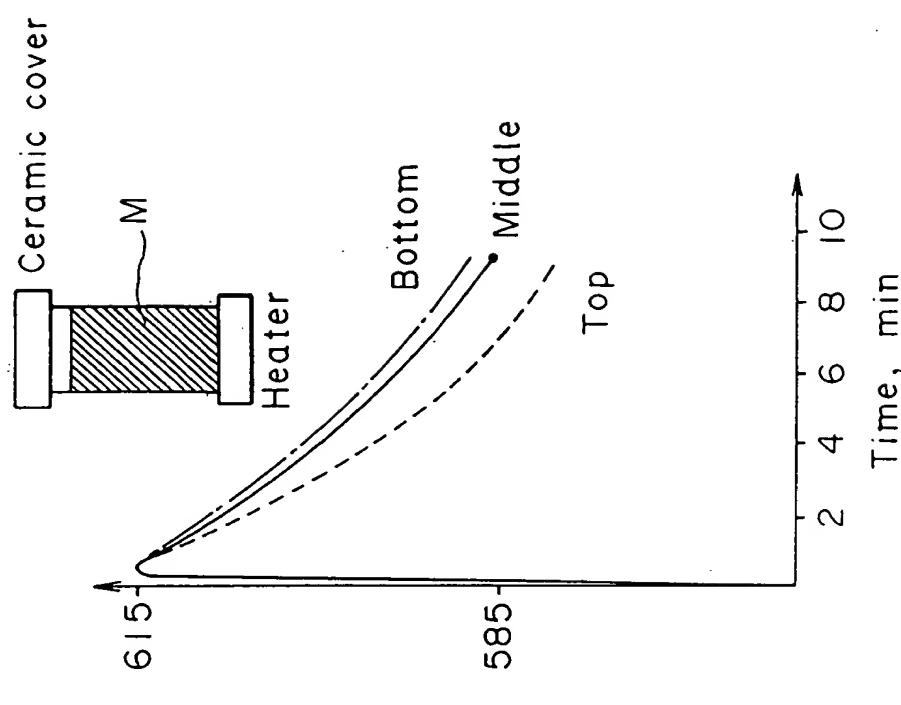


FIG. 30(b)
Heat-retained at top
but heated at bottom



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 3I(a)

Heated

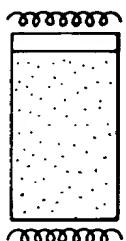
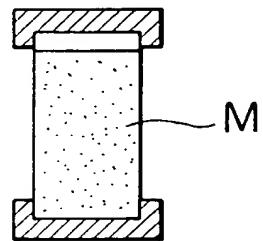


FIG. 3I(b)

Heat-retained

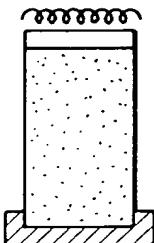


Heated

Heat-retained

FIG. 3I(c)

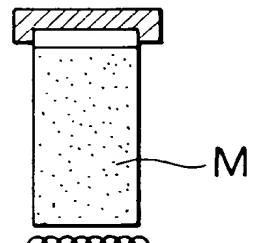
Heated



Heat-retained

FIG. 3I(d)

Heat-retained



Heated

FIG. 32

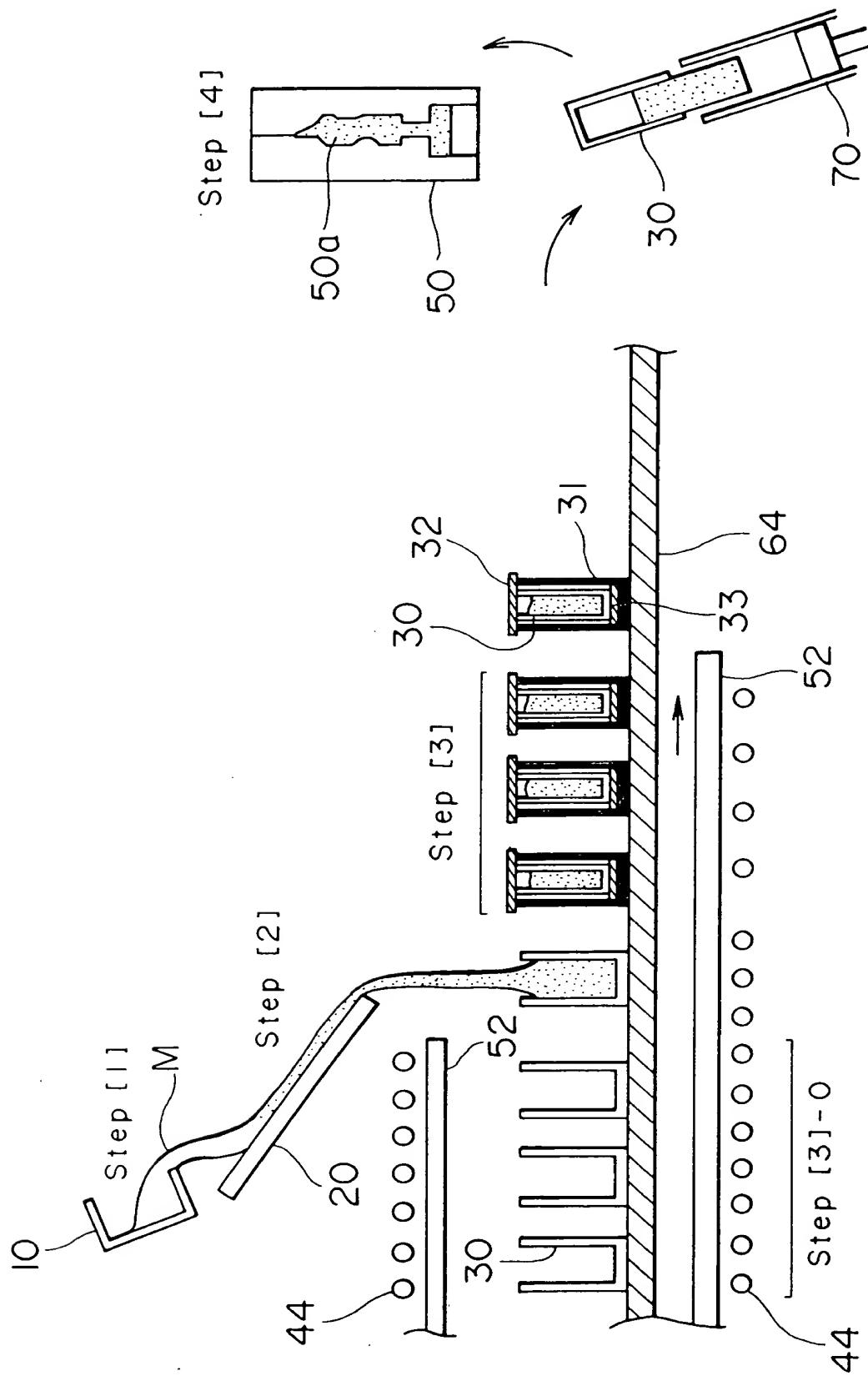


FIG. 33(a)

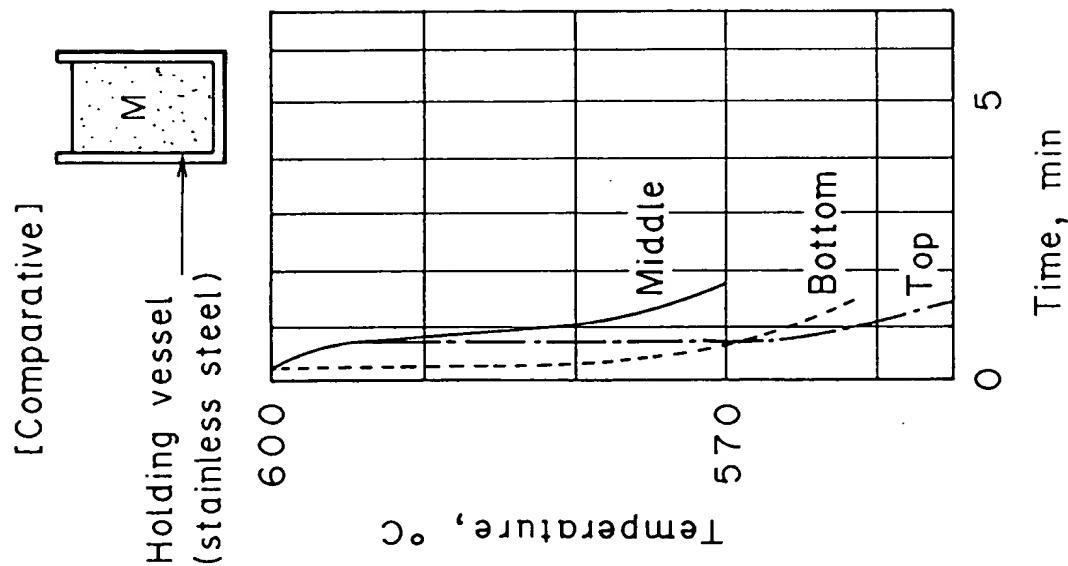
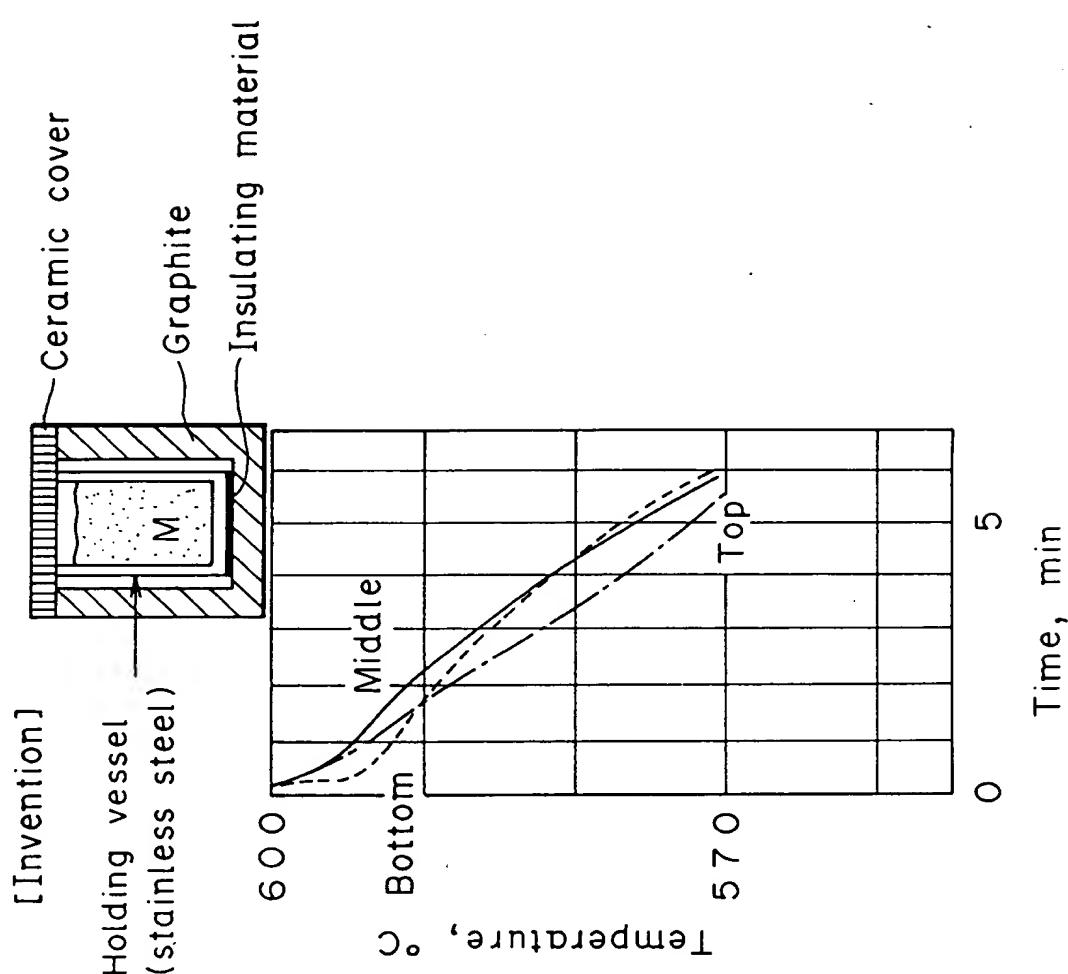
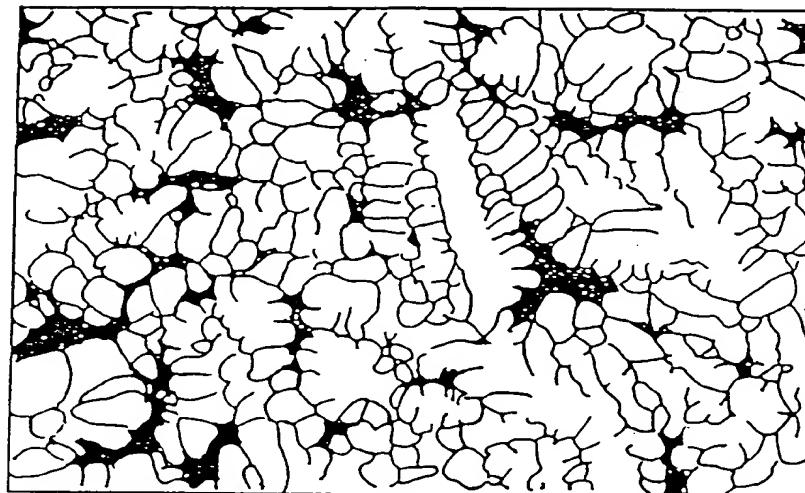


FIG. 33(b)



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

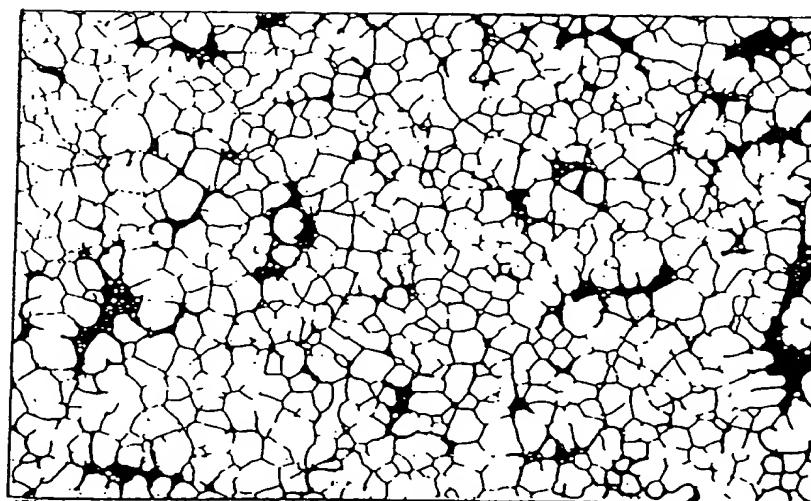
FIG. 34 Prior Art



200 μm



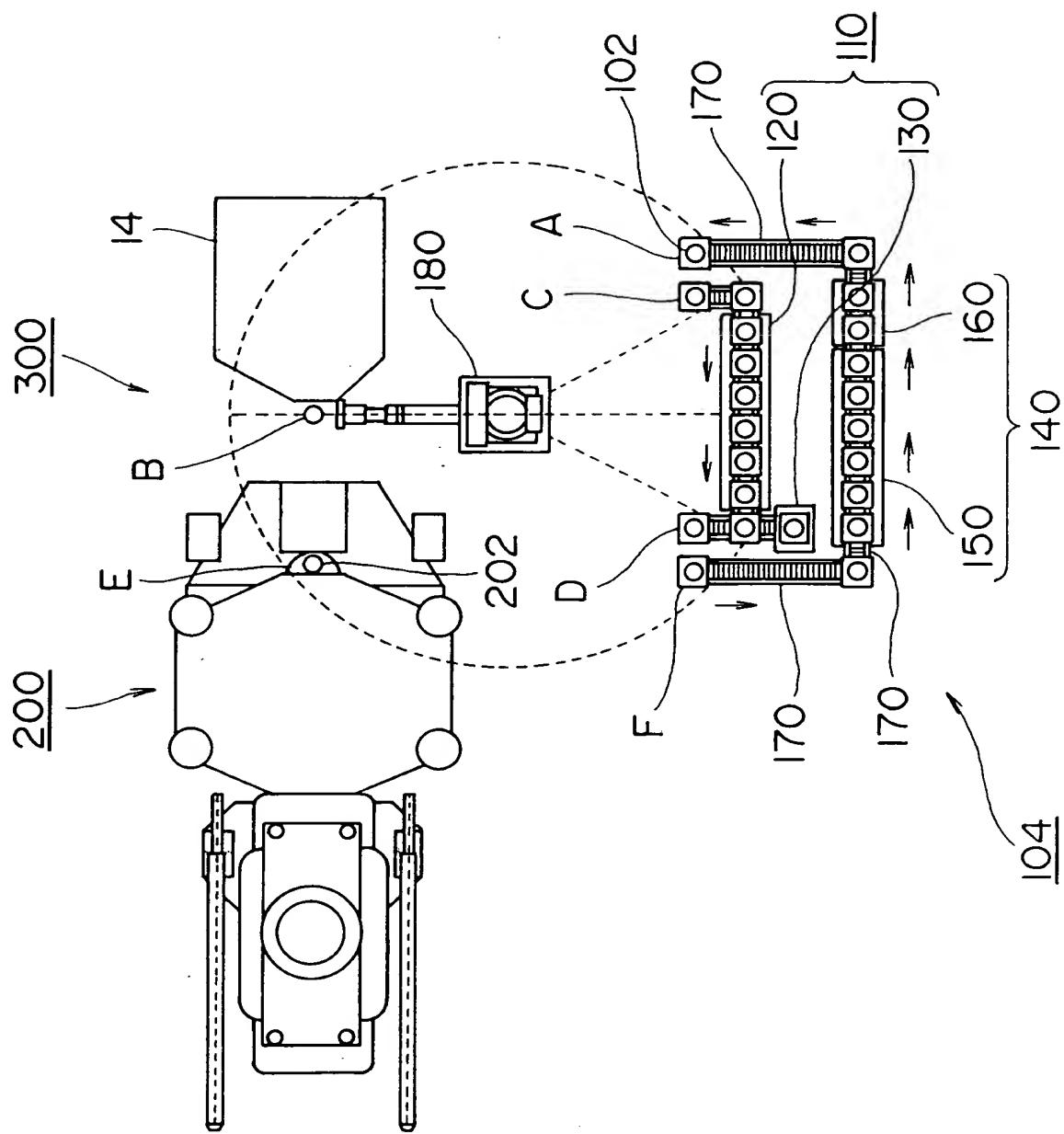
FIG. 35



200 μm



FIG. 36



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 37

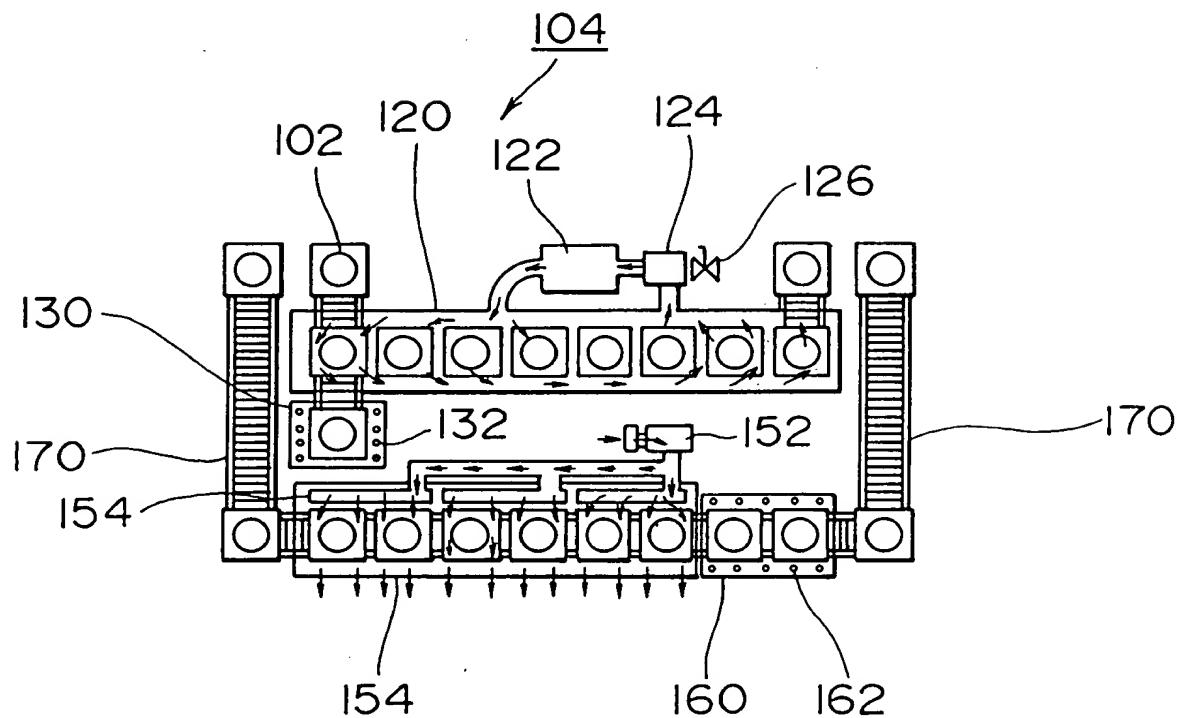


FIG. 38

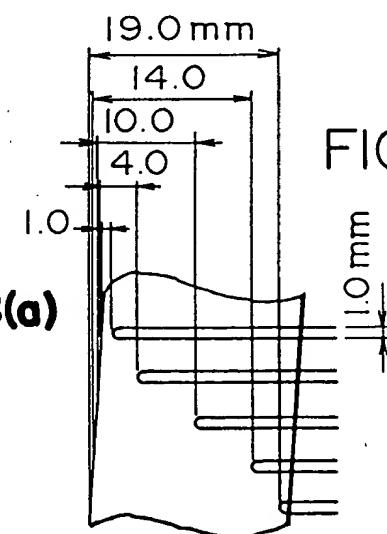
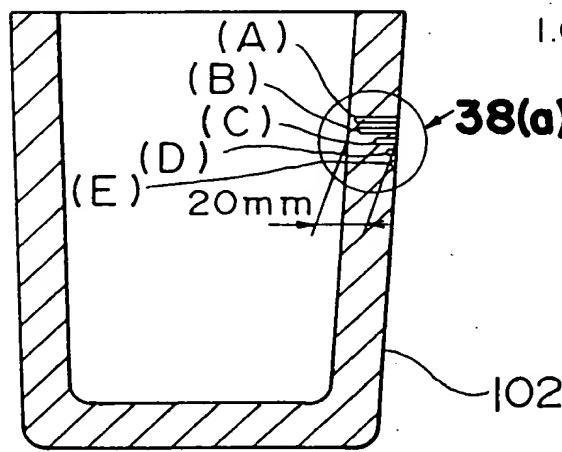
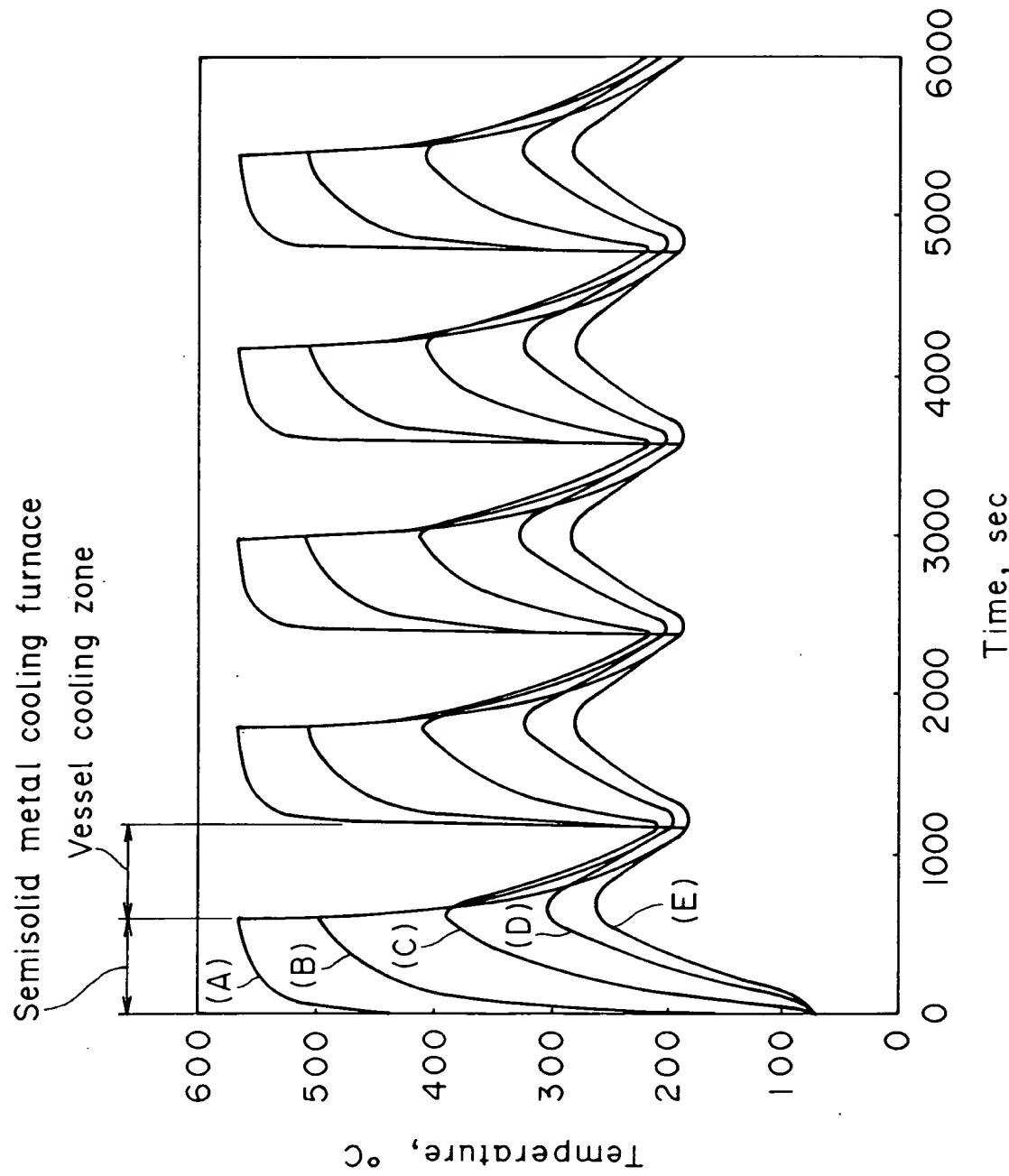


FIG. 38(a)

FIG. 39



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FIG. 40

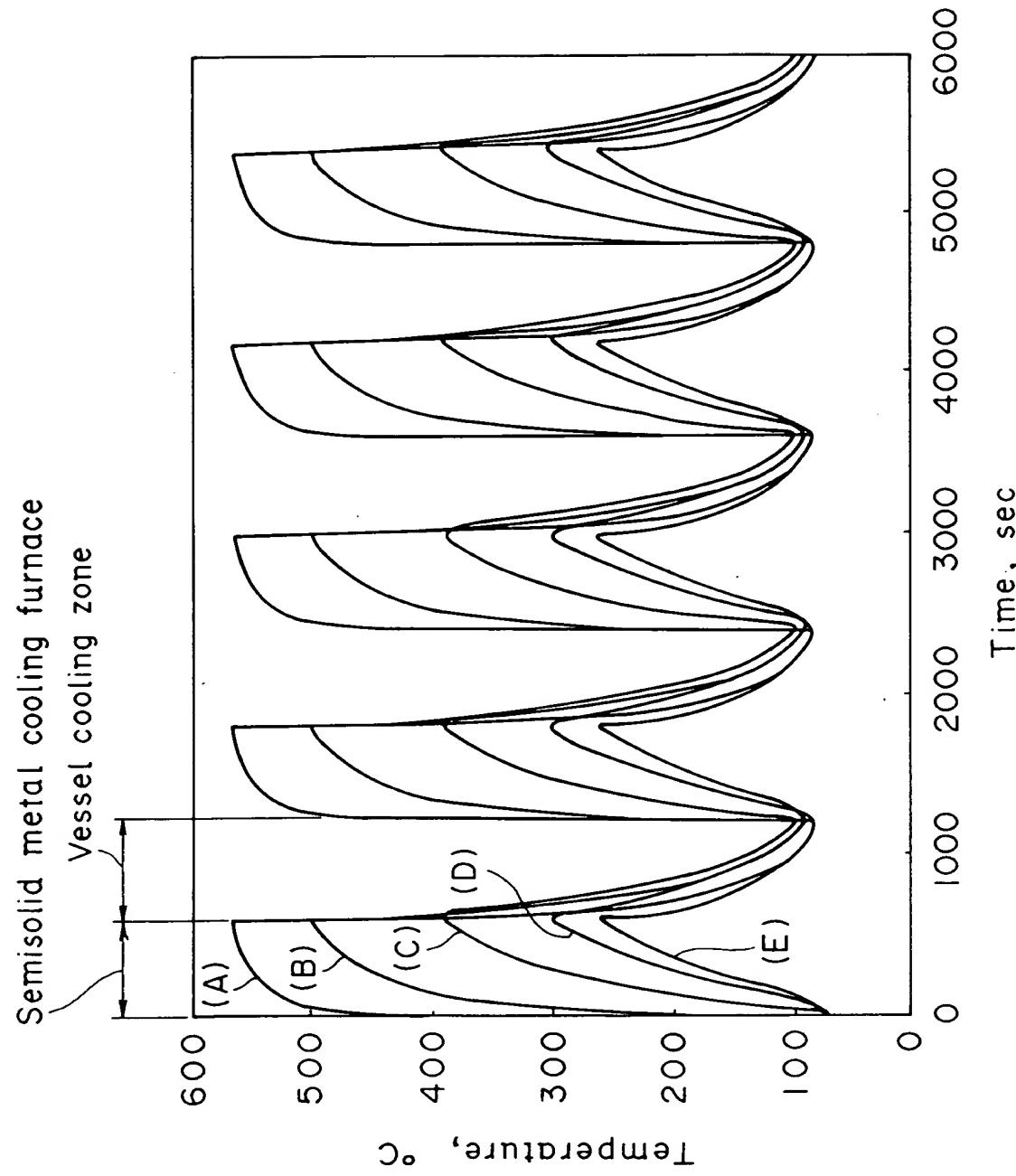


FIG. 41

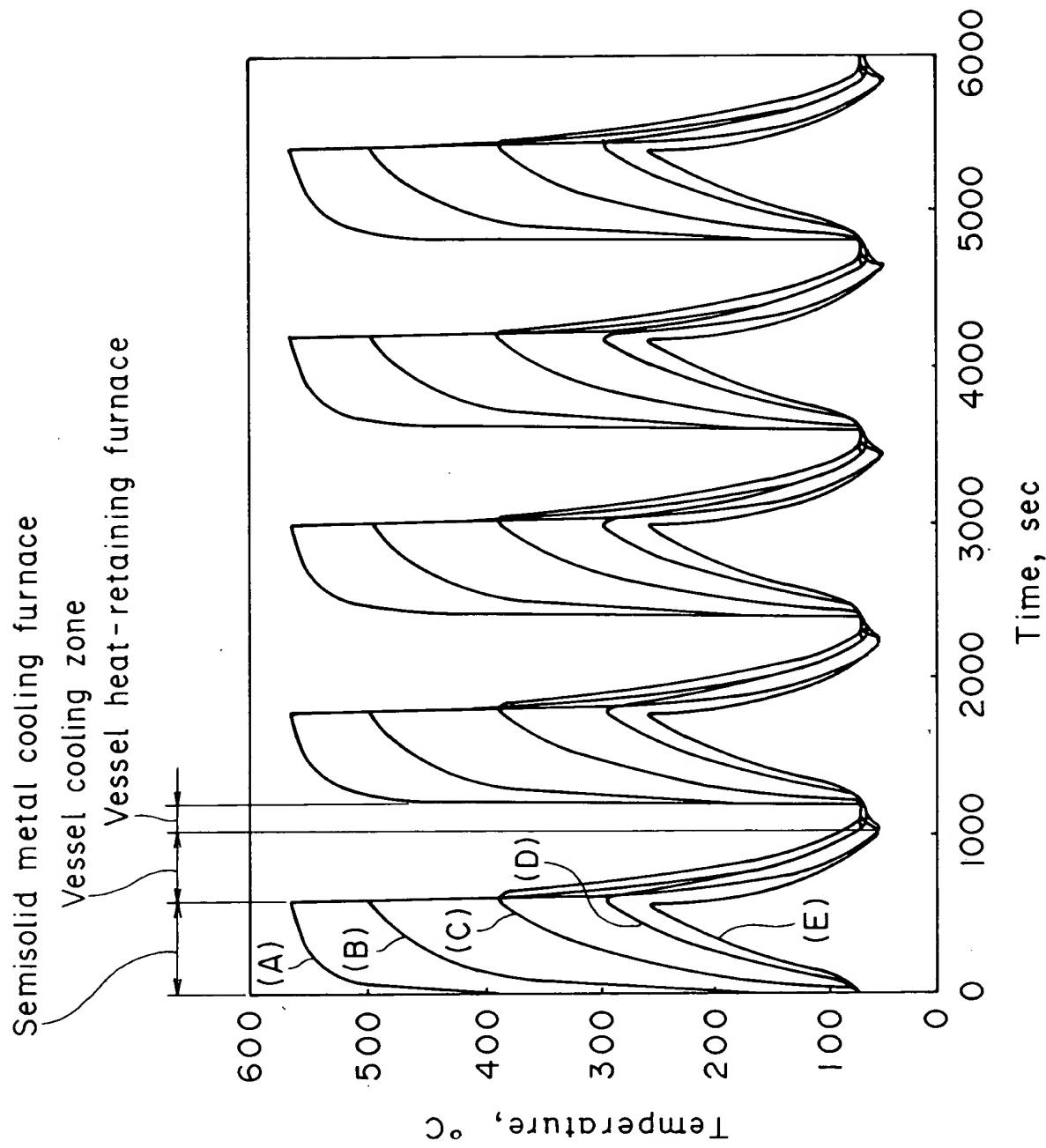


FIG. 42

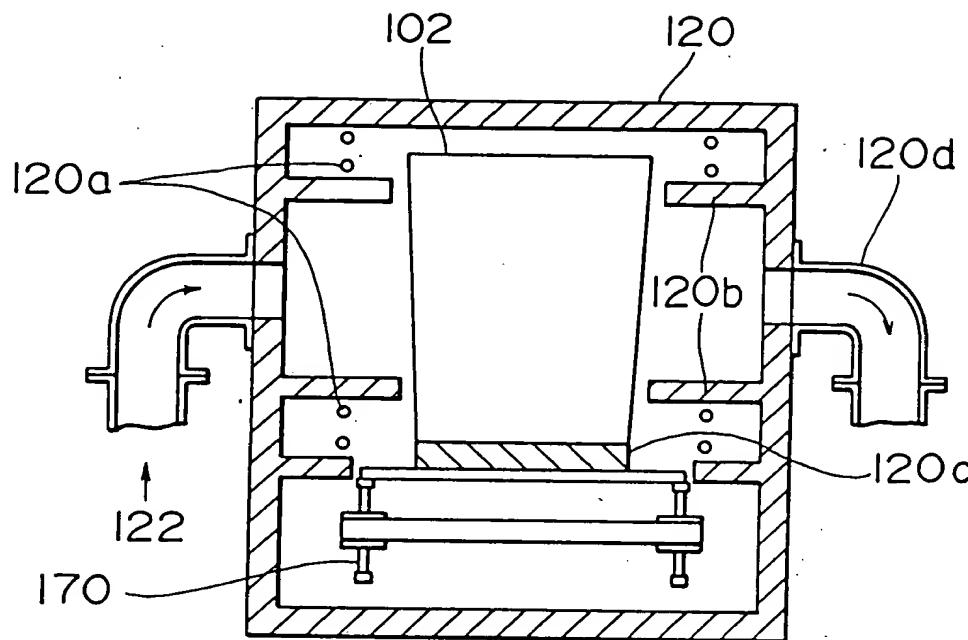
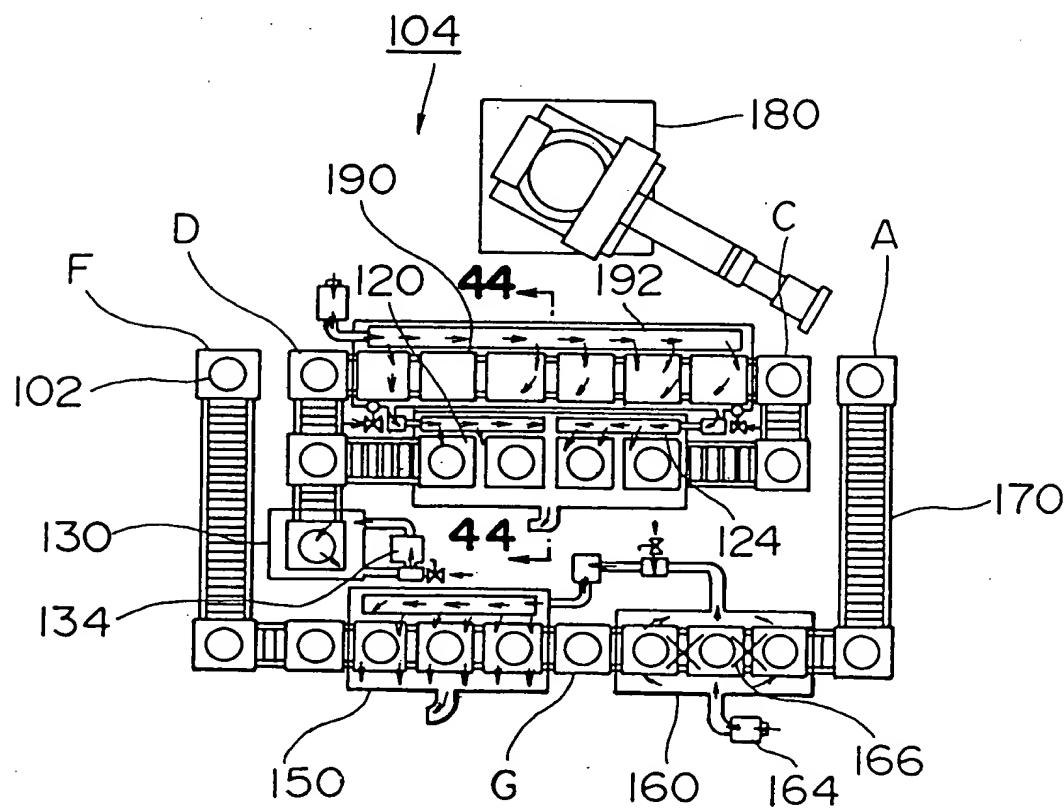


FIG. 43



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 44

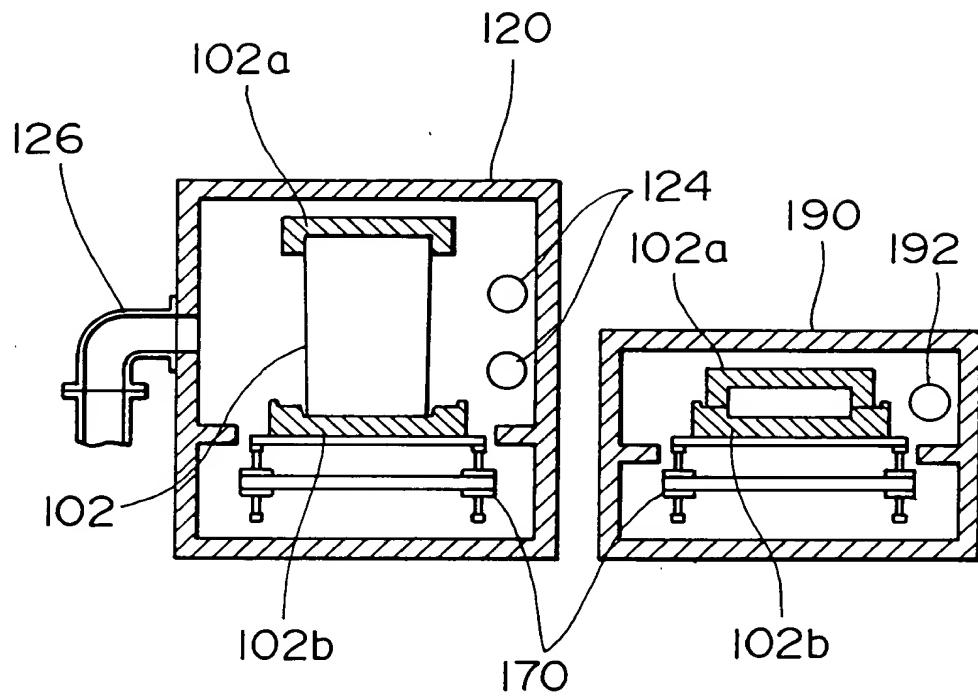
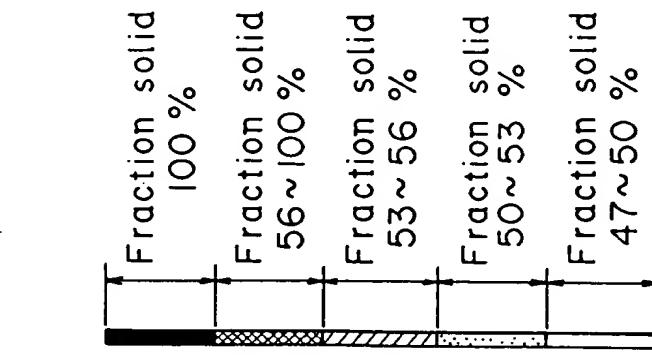


FIG. 45(a)

Temperature of atmosphere: 200°C

SUS304
preheated to 200°C
 $\text{Al}_2\text{O}_3\text{-SiO}_2$ composite preheated to 200°C



200mm

FIG. 45(b)

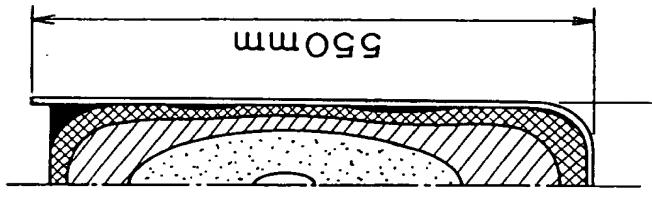


FIG. 45(c)

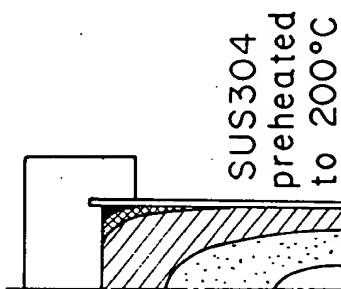
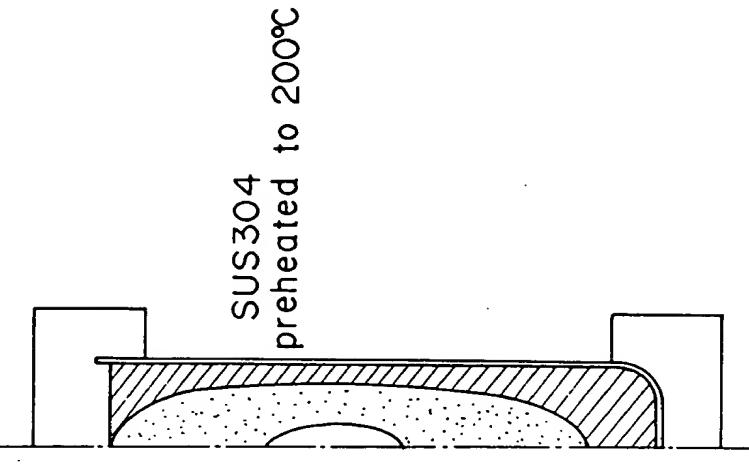


FIG. 45(d)

SUS304
preheated to 200°C
 $\text{Al}_2\text{O}_3\text{-SiO}_2$ composite preheated to 350°C



Al₂O₃-SiO₂ composite preheated to 200°C
Al₂O₃-SiO₂ composite preheated to 350°C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 46

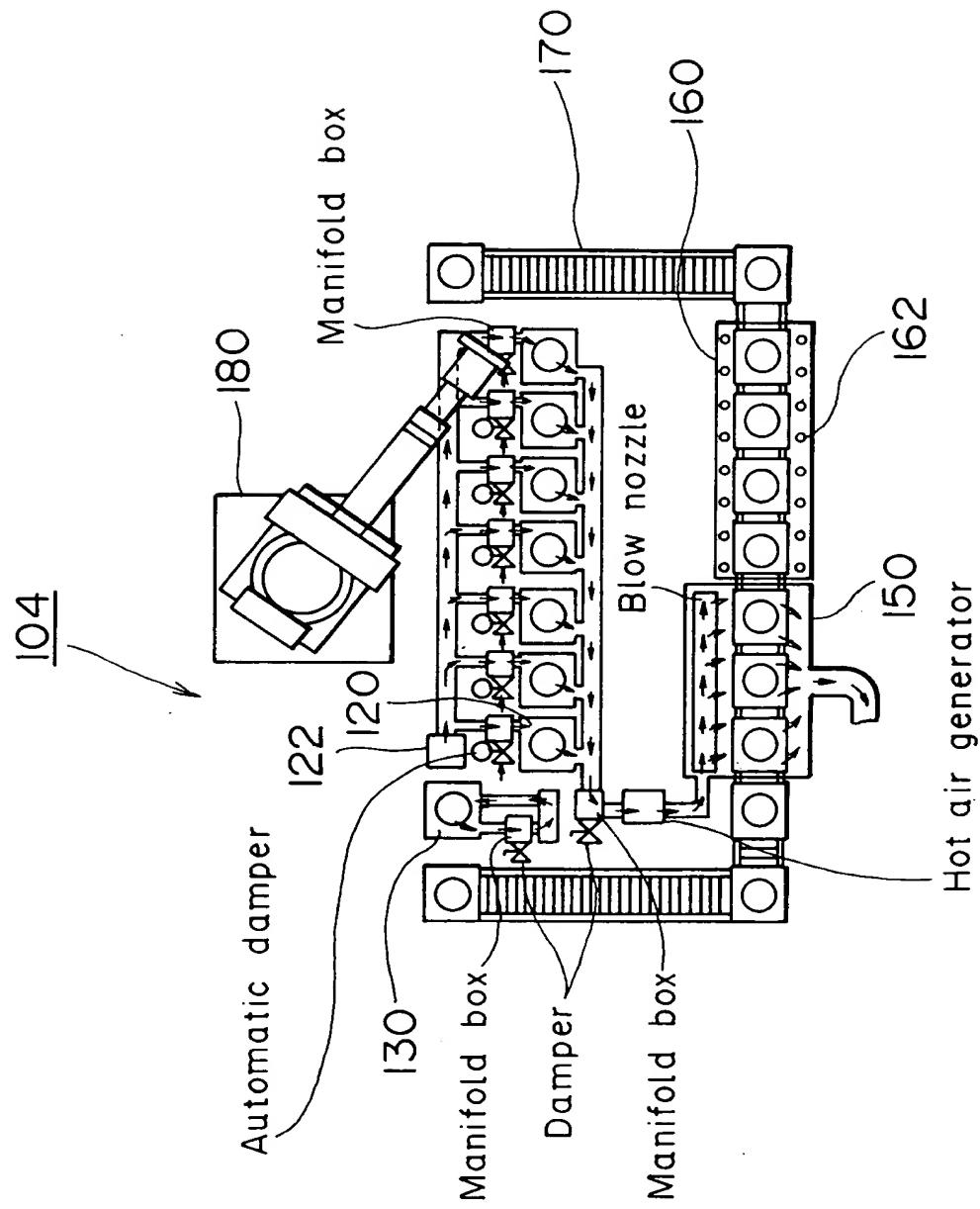


FIG. 47

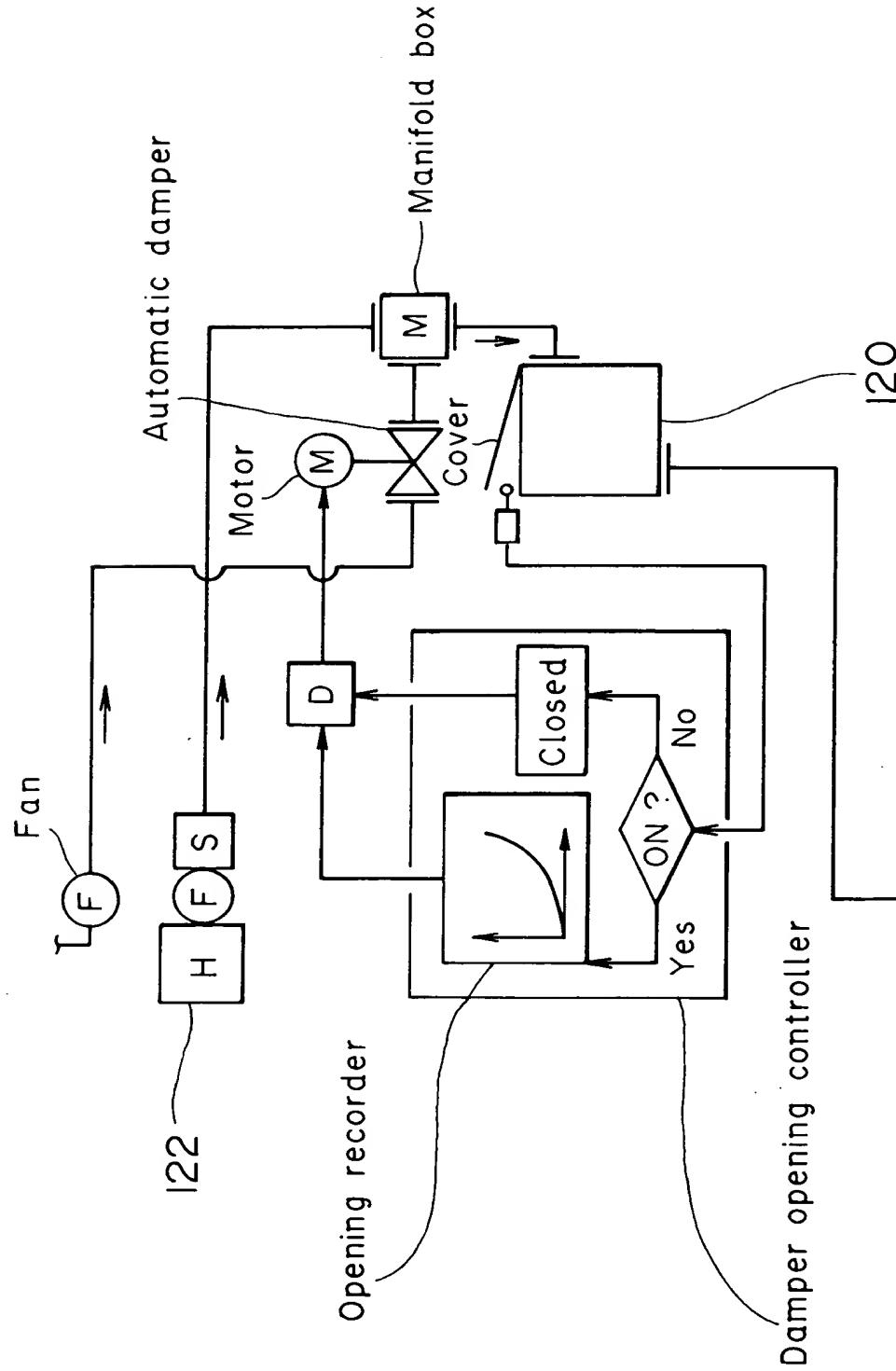
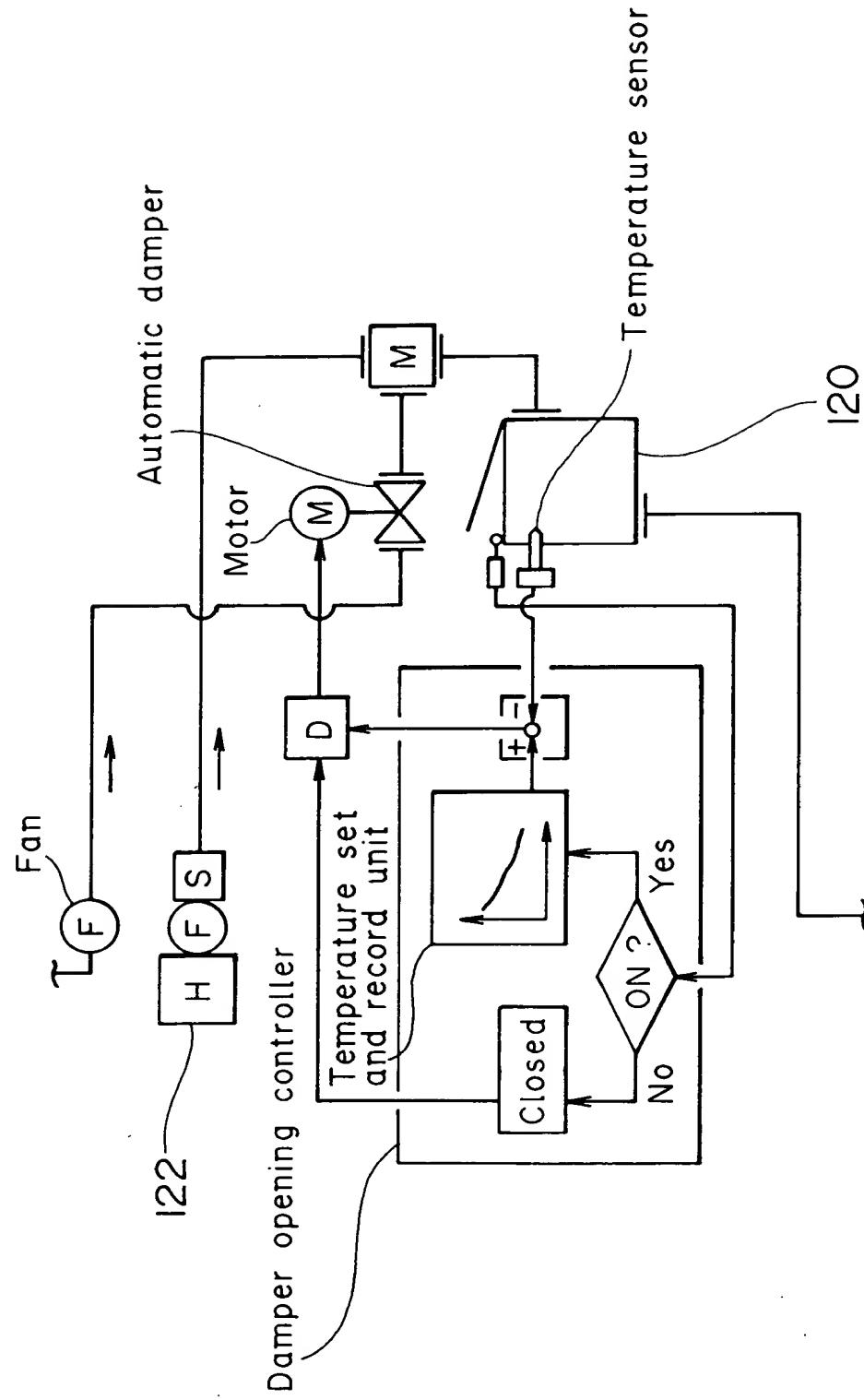


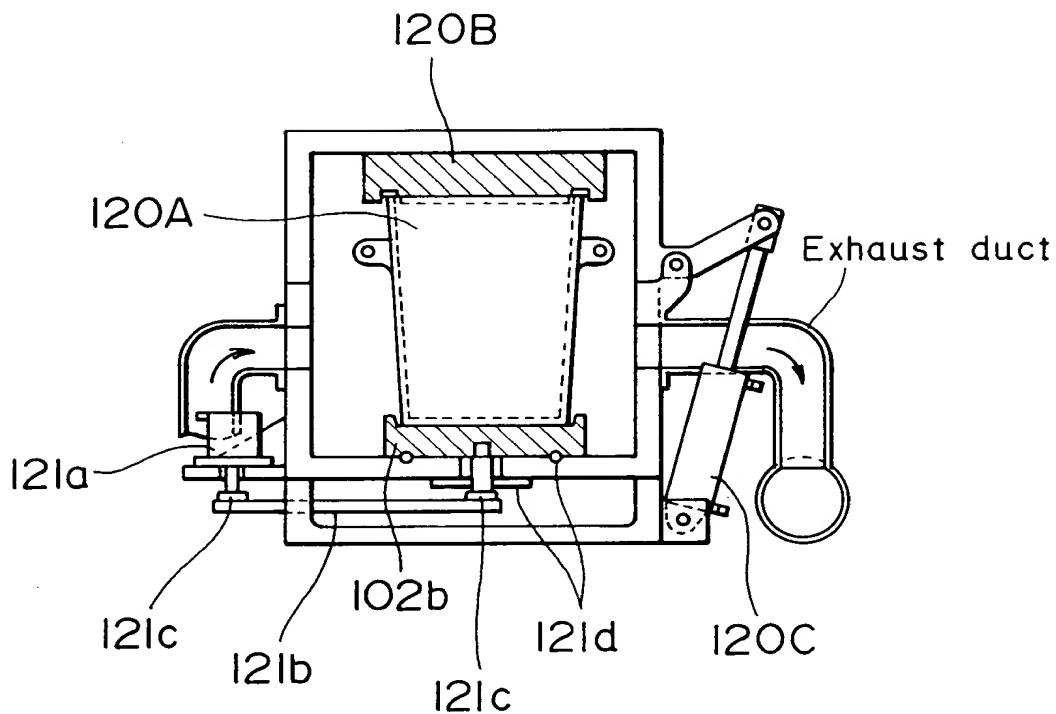
FIG. 48



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

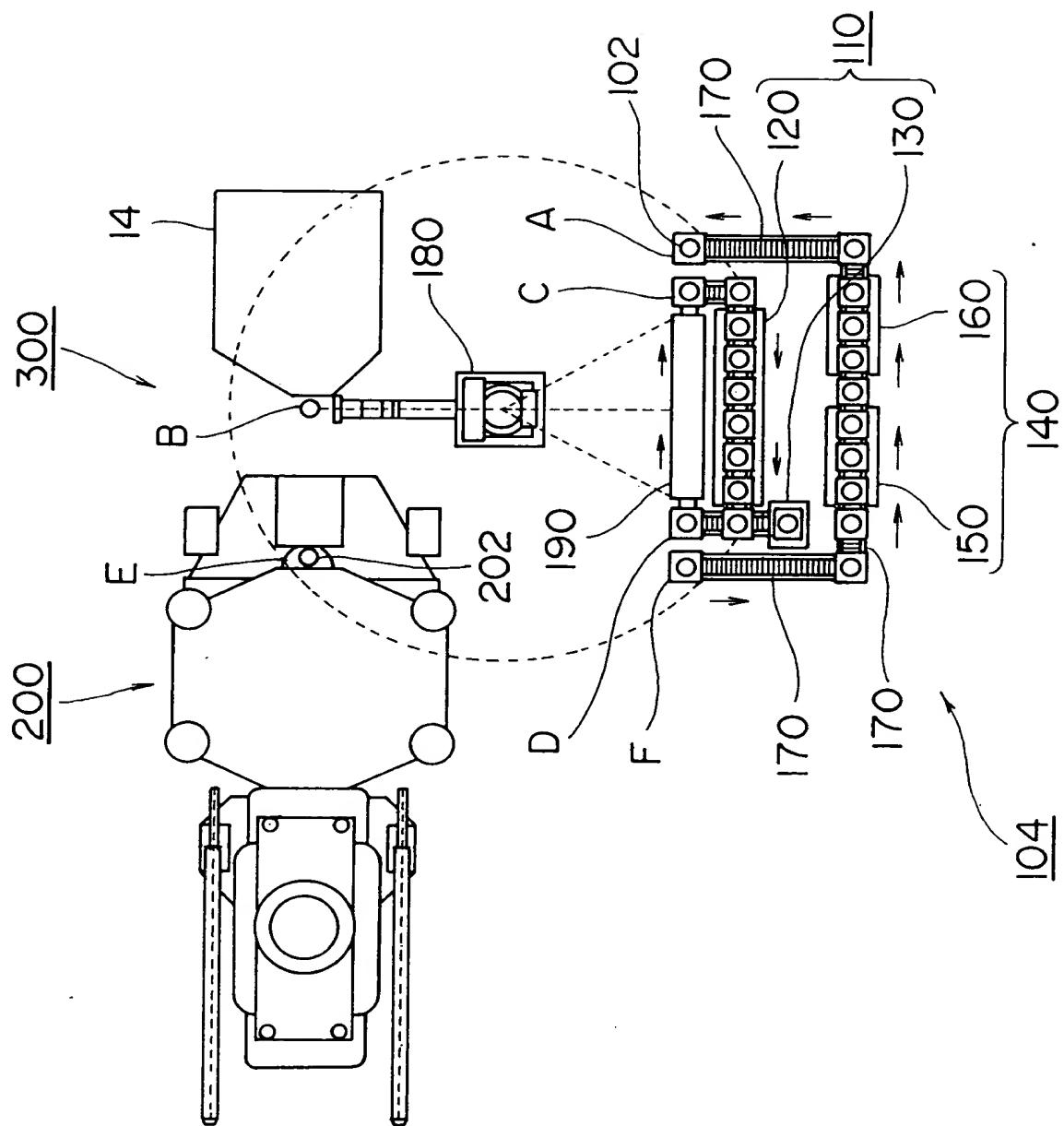
672378

FIG. 49



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FIG. 50



APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG. 5I

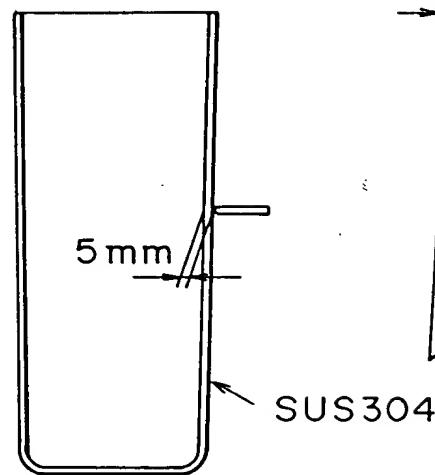
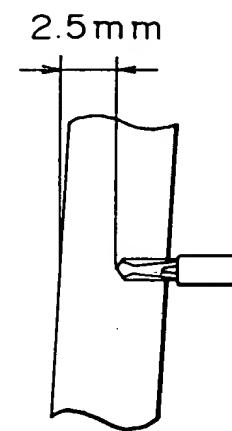


FIG. 5I(a)



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

672378

FIG. 52

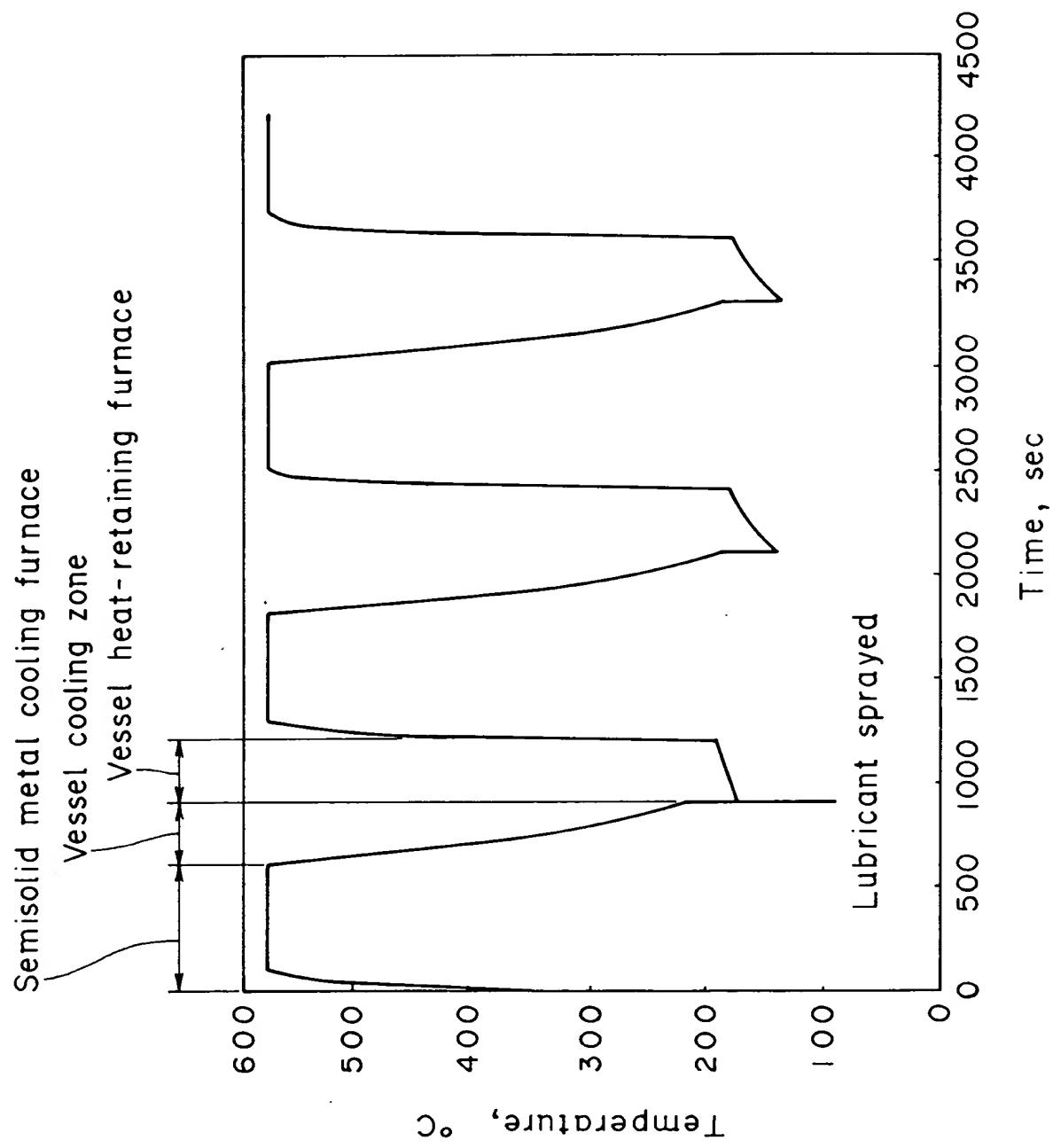
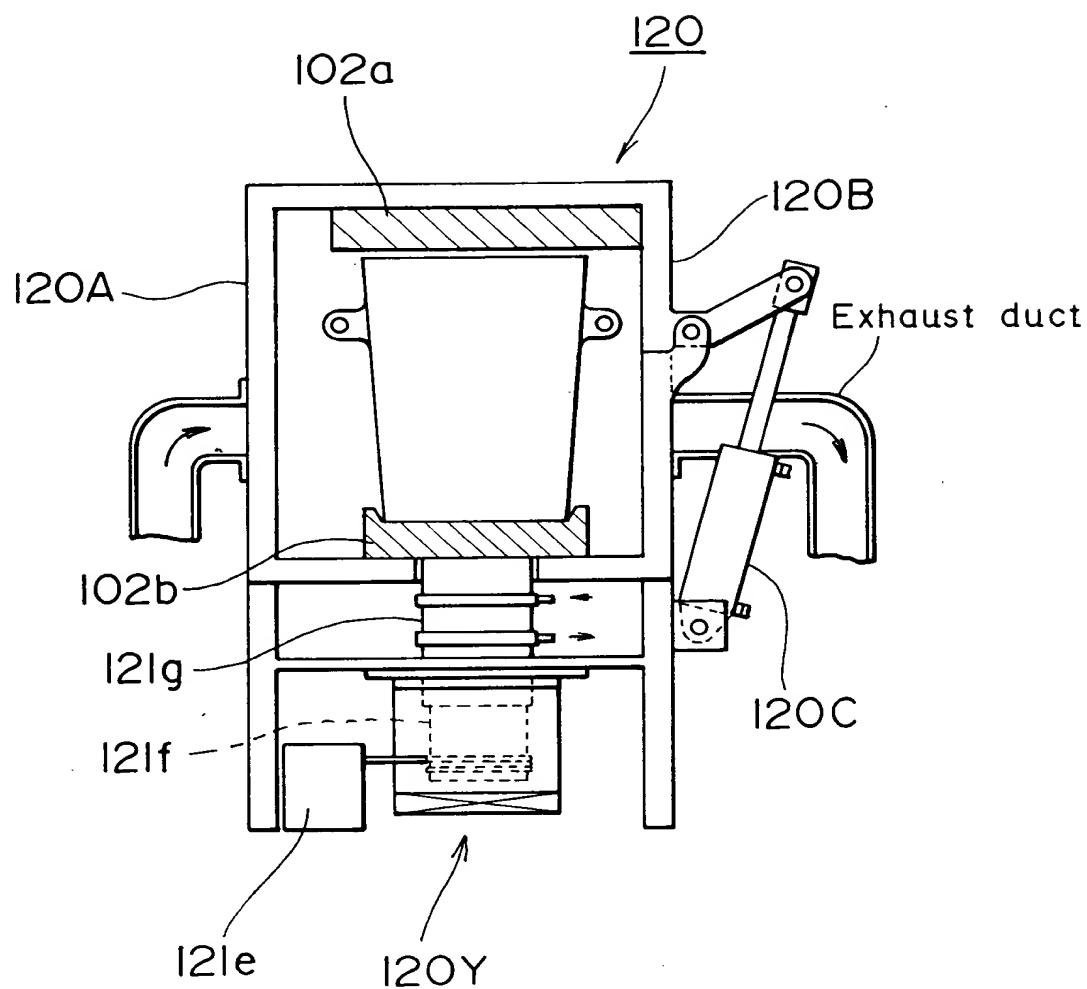
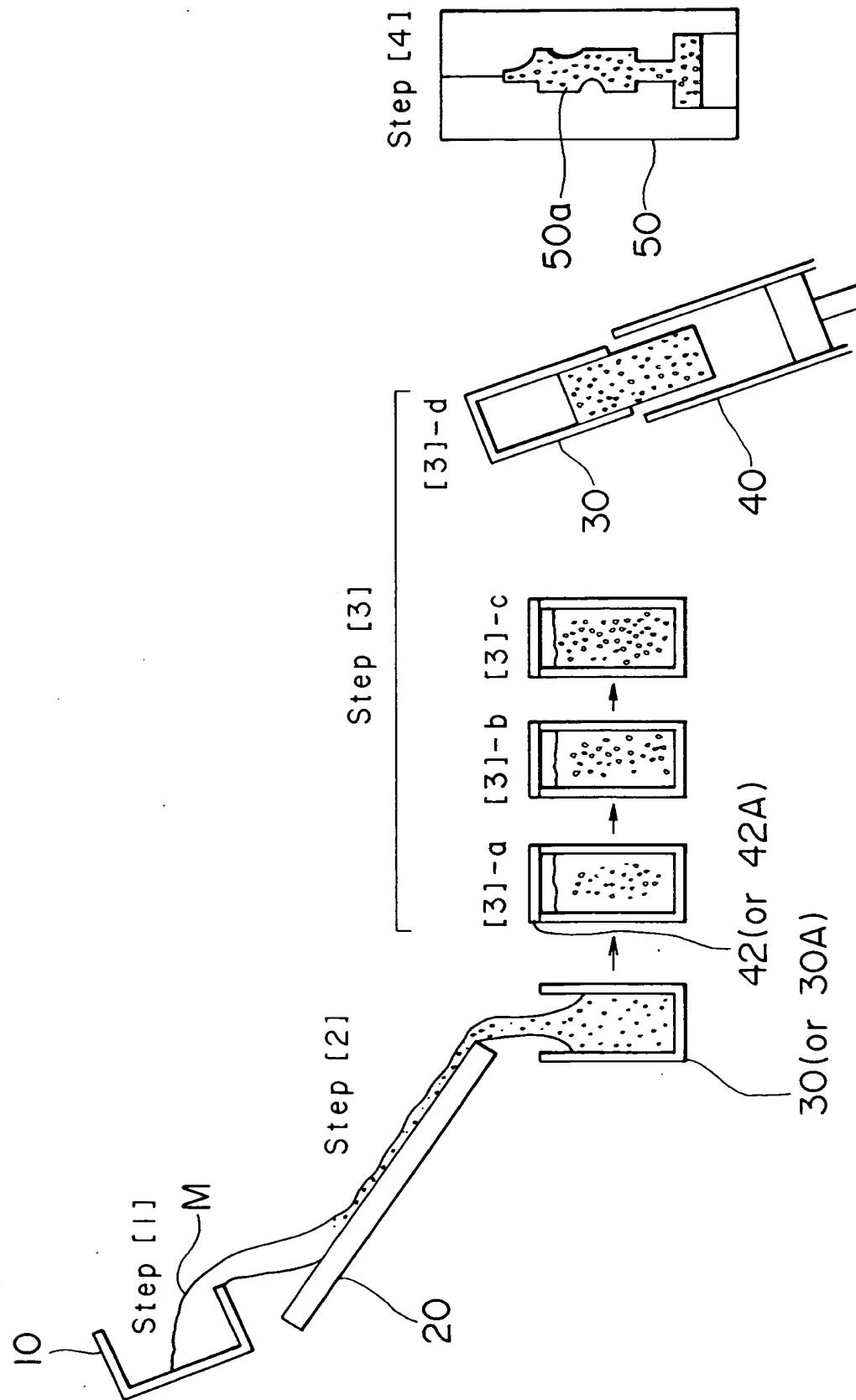


FIG. 53



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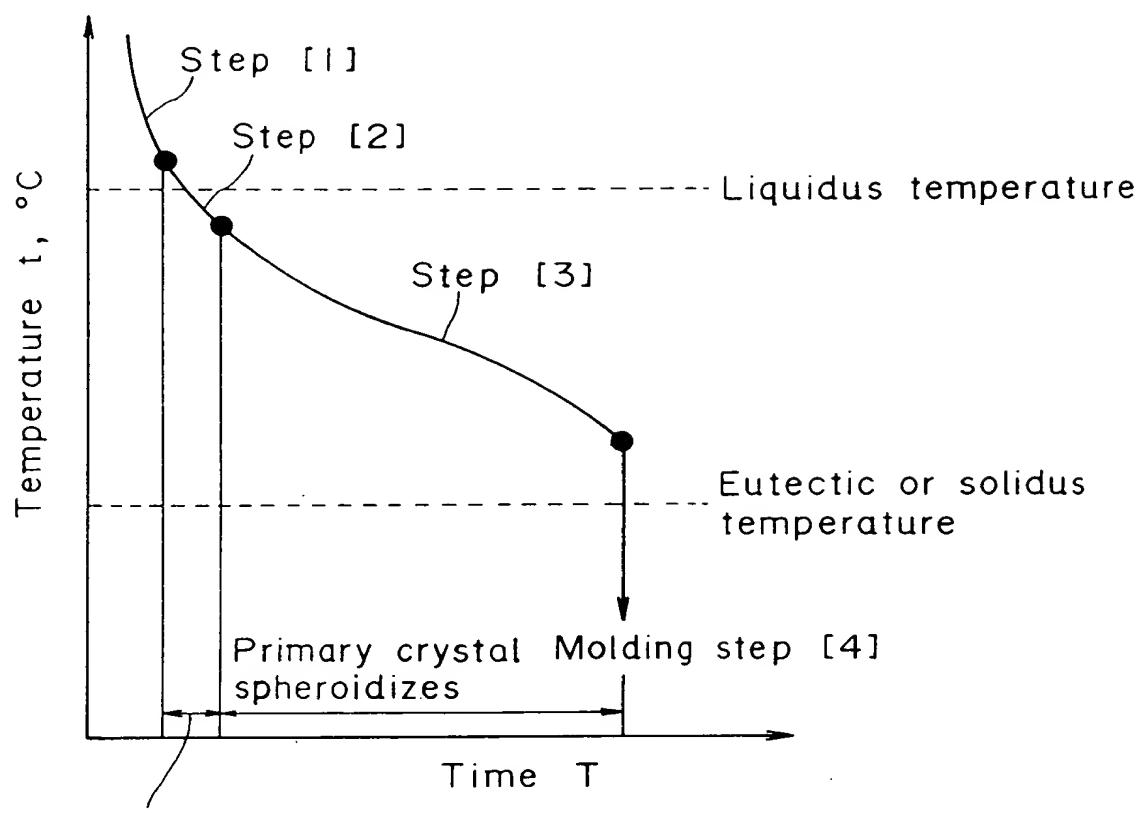
FIG. 54



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

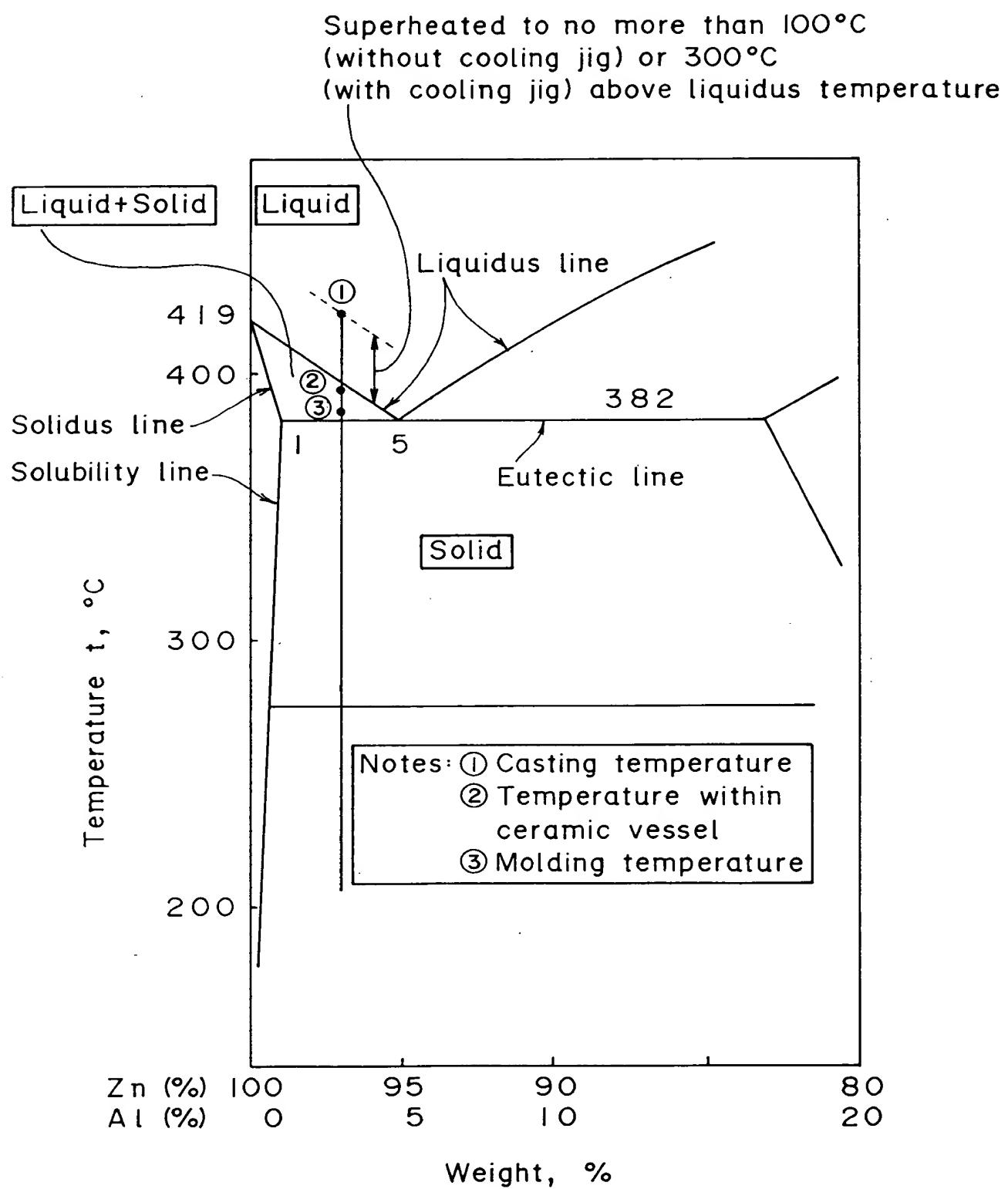
IR 672378

FIG. 55



* With or without cooling jig

FIG. 56



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

MR 672378

FIG. 57

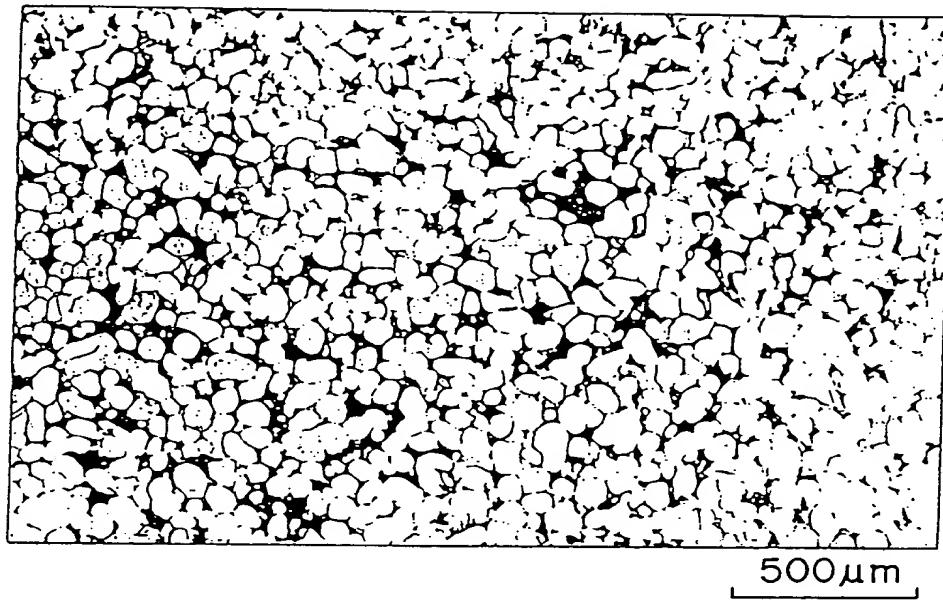


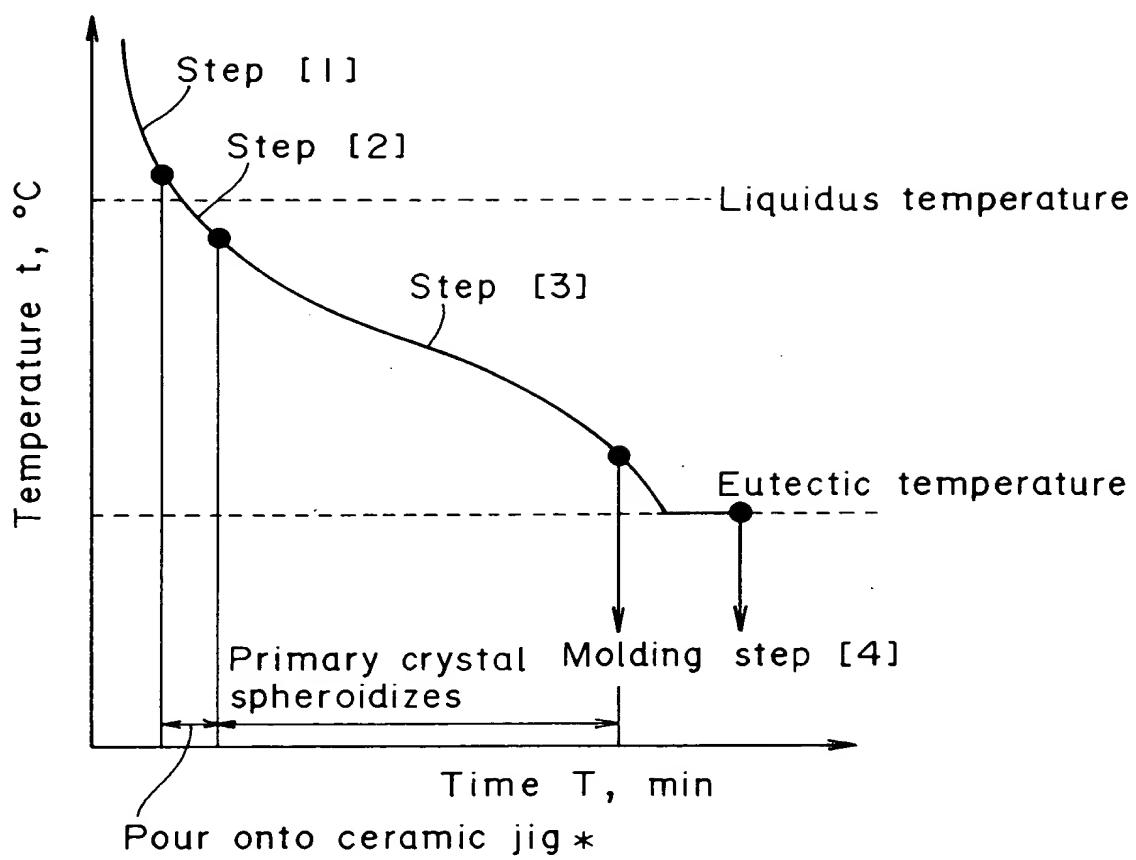
FIG. 58 Prior Art



APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

NR 672378

FIG. 59



*With or without cooling jig

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

IR 672378

FIG. 60

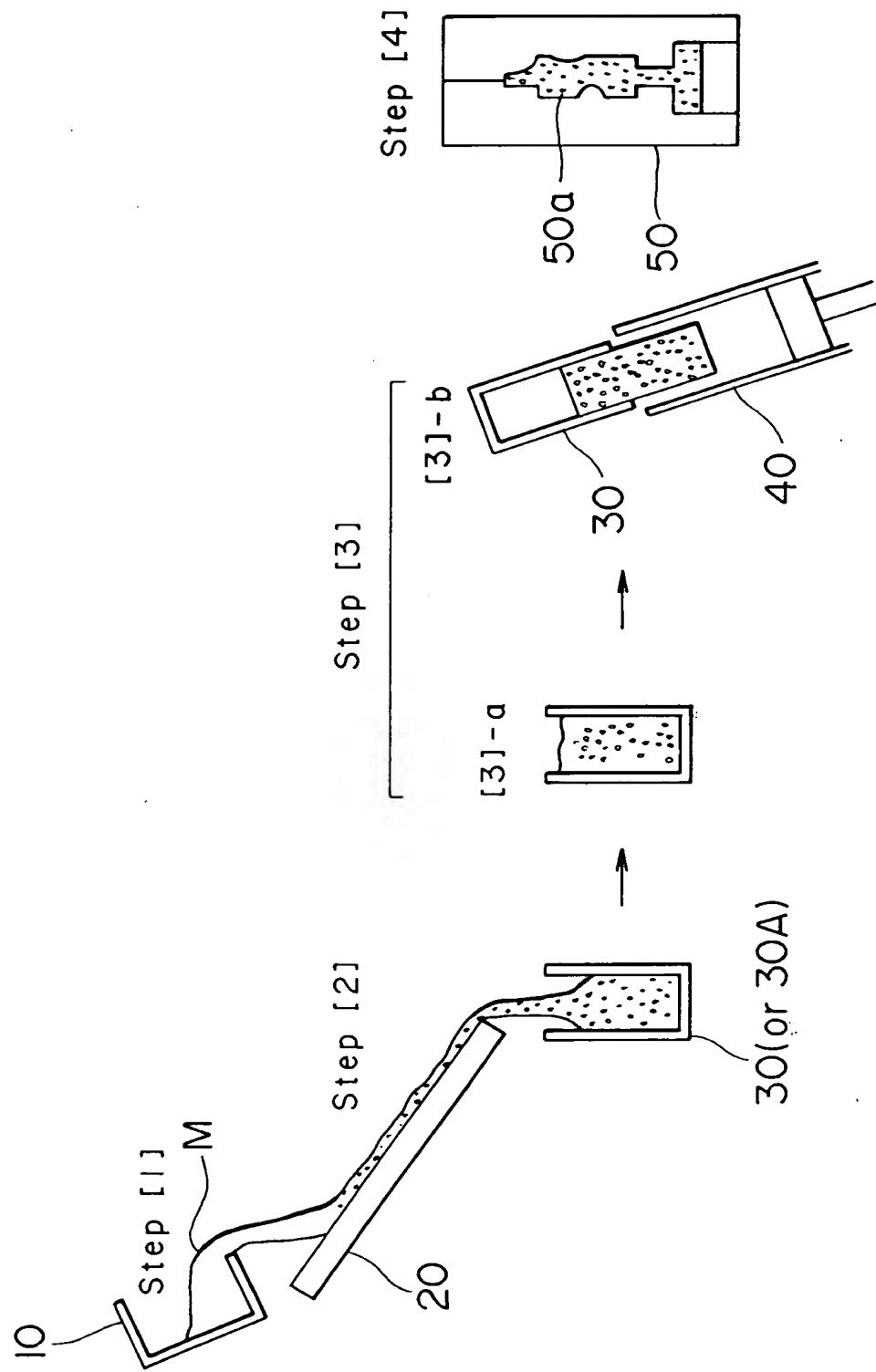


FIG. 61

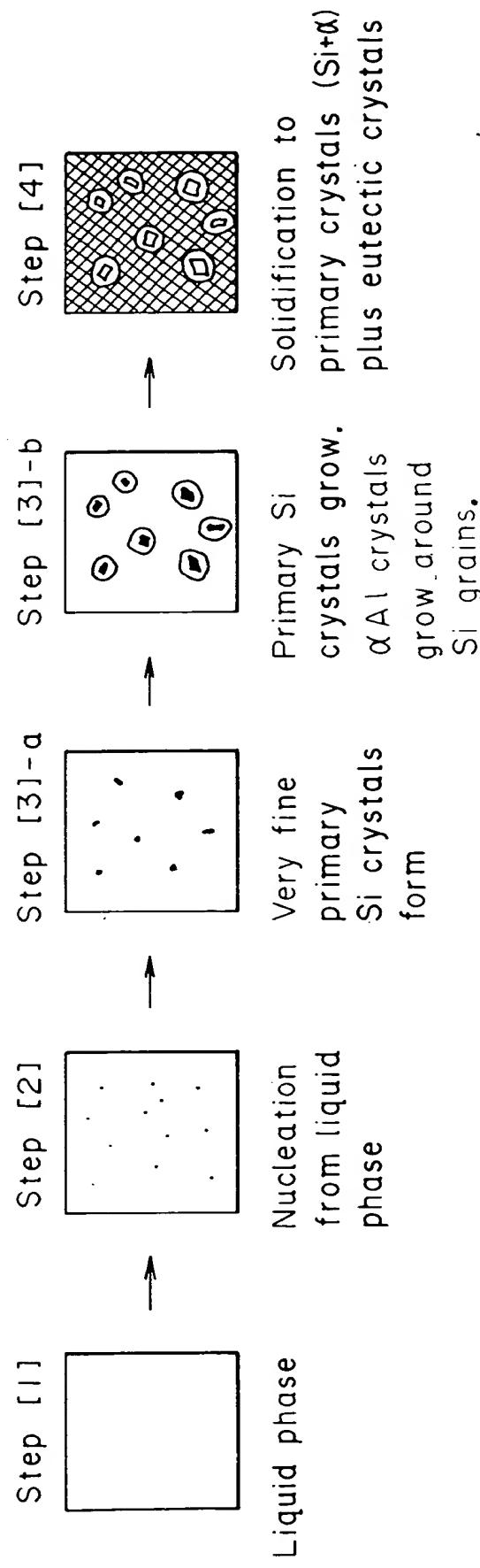
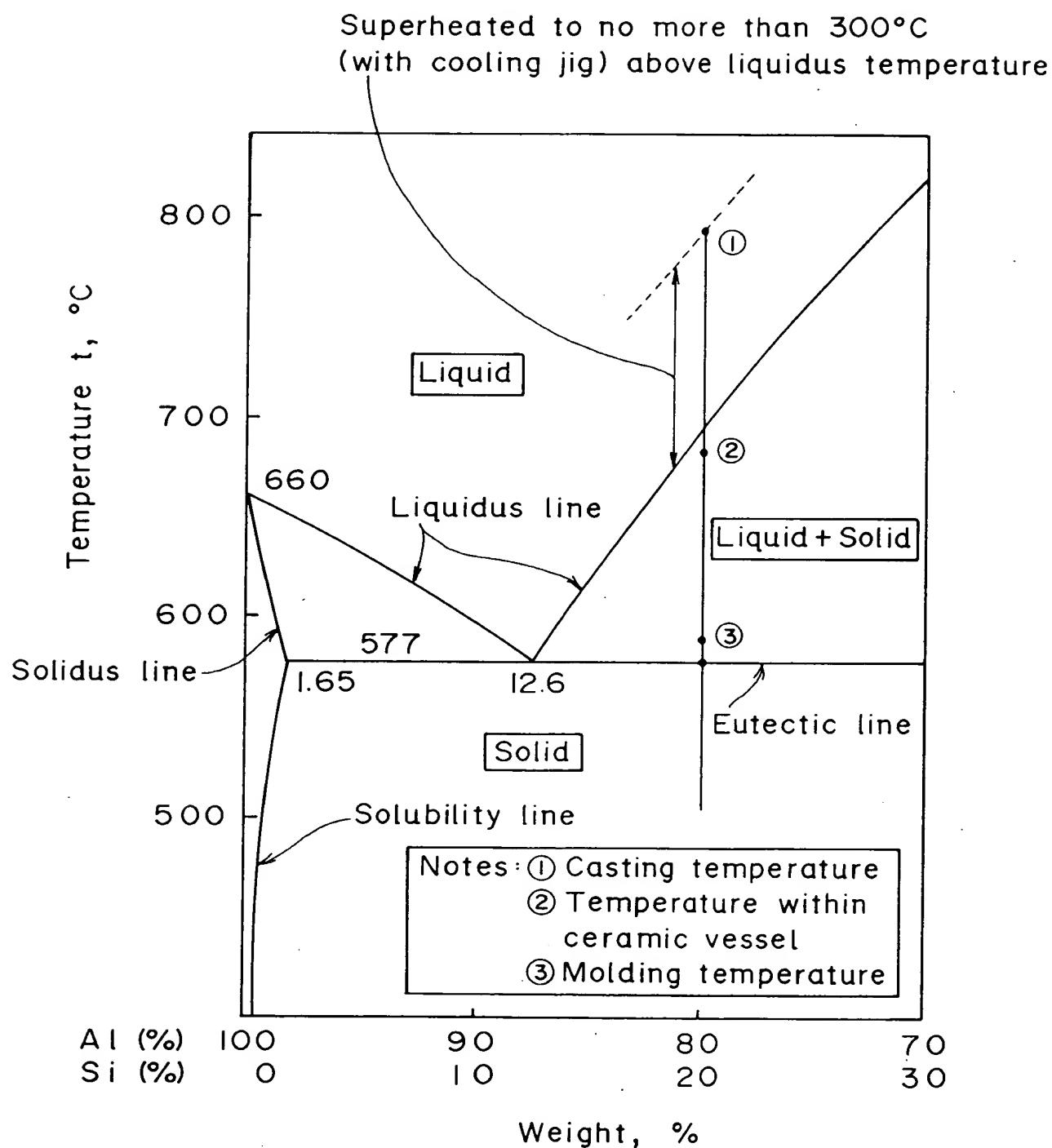


FIG. 62



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

NR 672378

FIG. 63

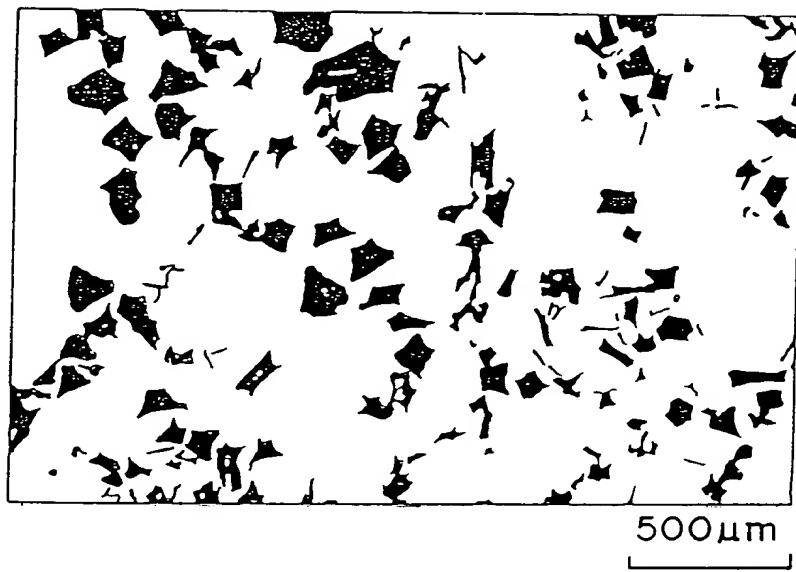
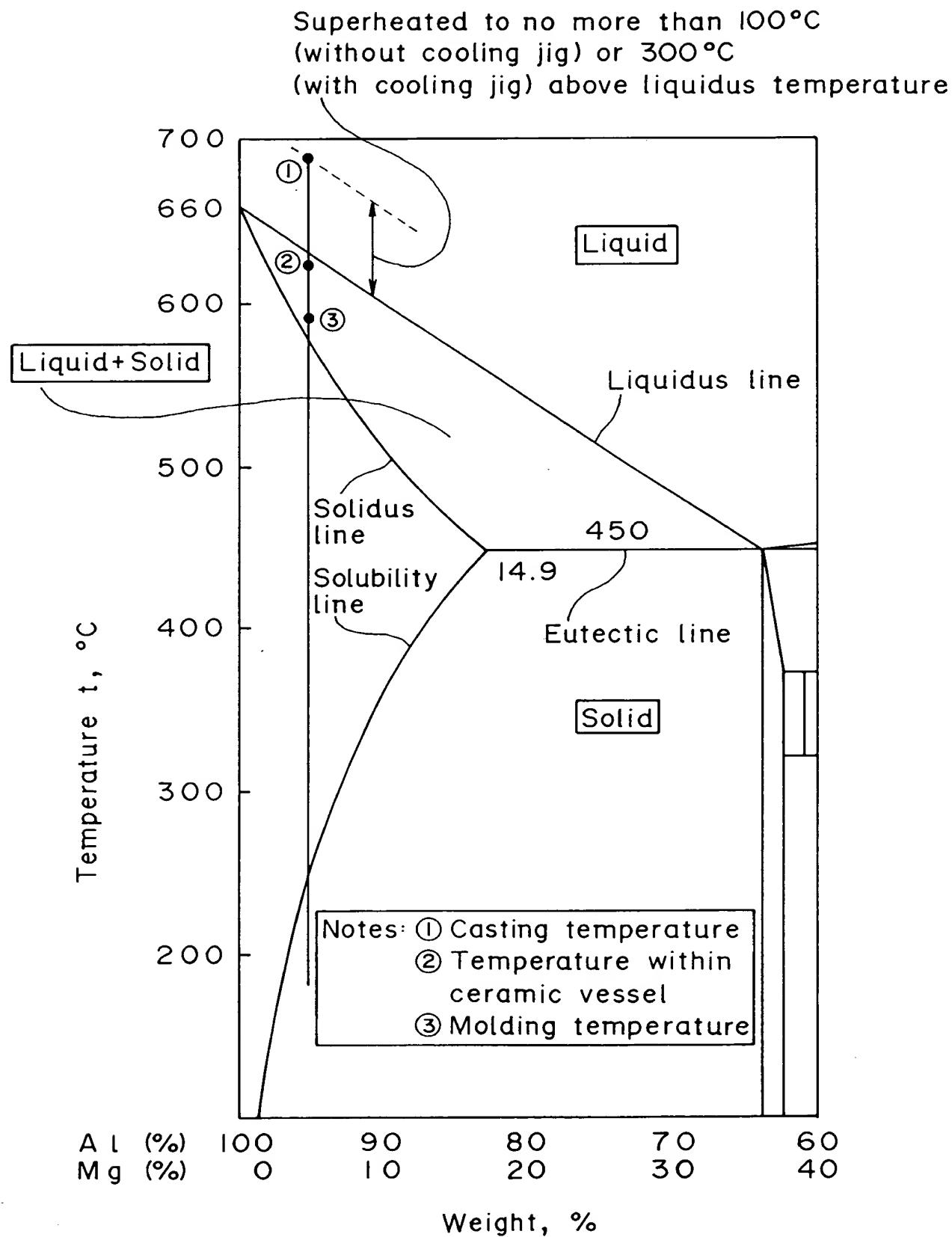


FIG. 64 Prior Art



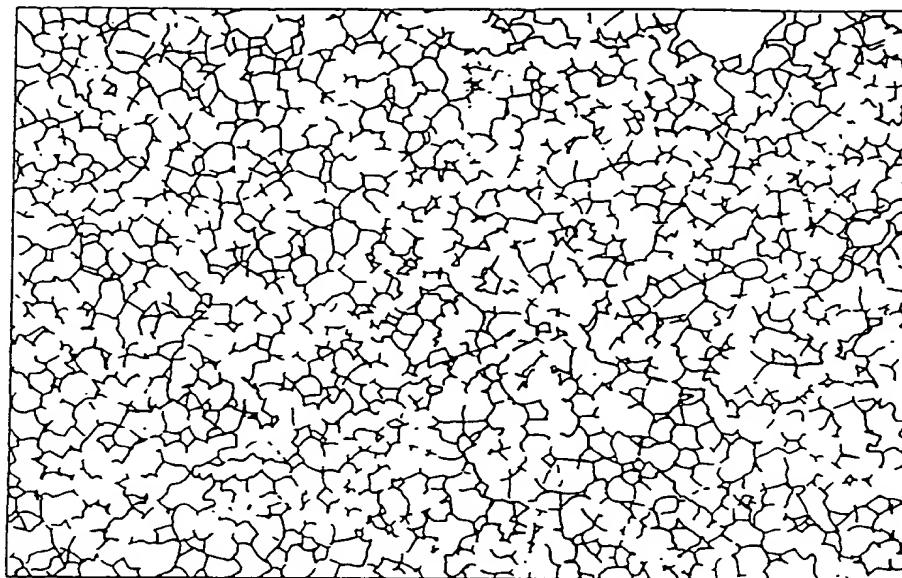
FIG. 65



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

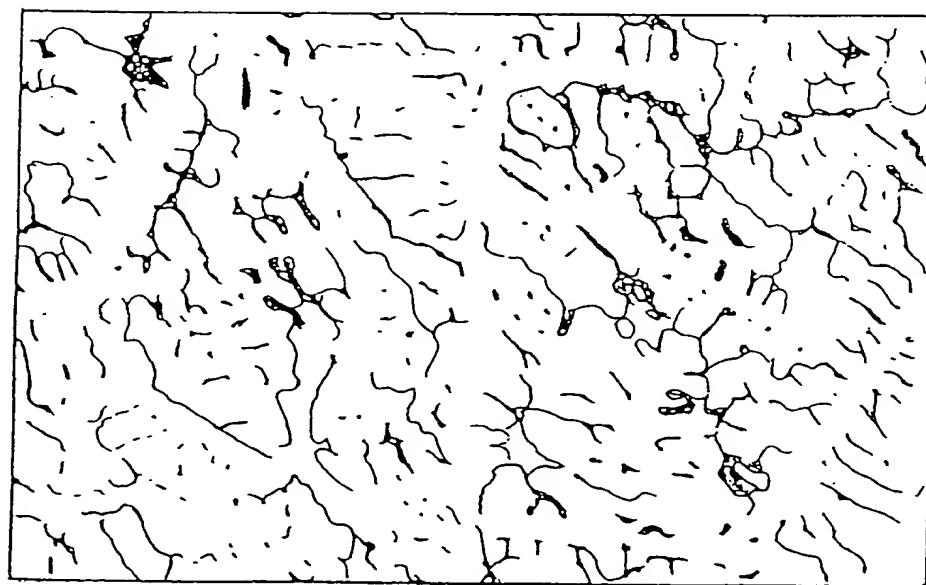
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FIG. 66



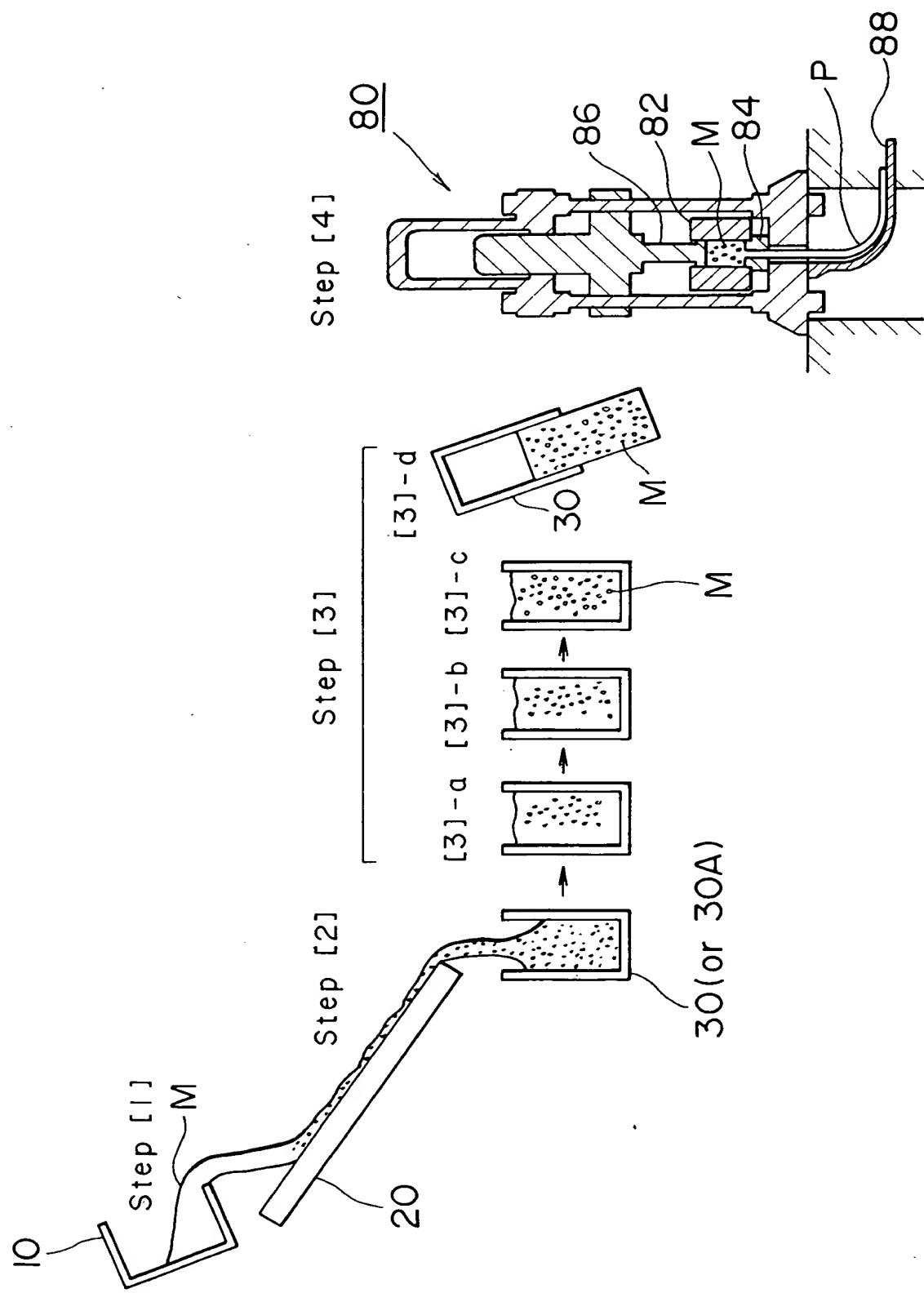
500 μ m

FIG. 67 Prior Art



500 μ m

FIG. 68



APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

FIG. 69(a)

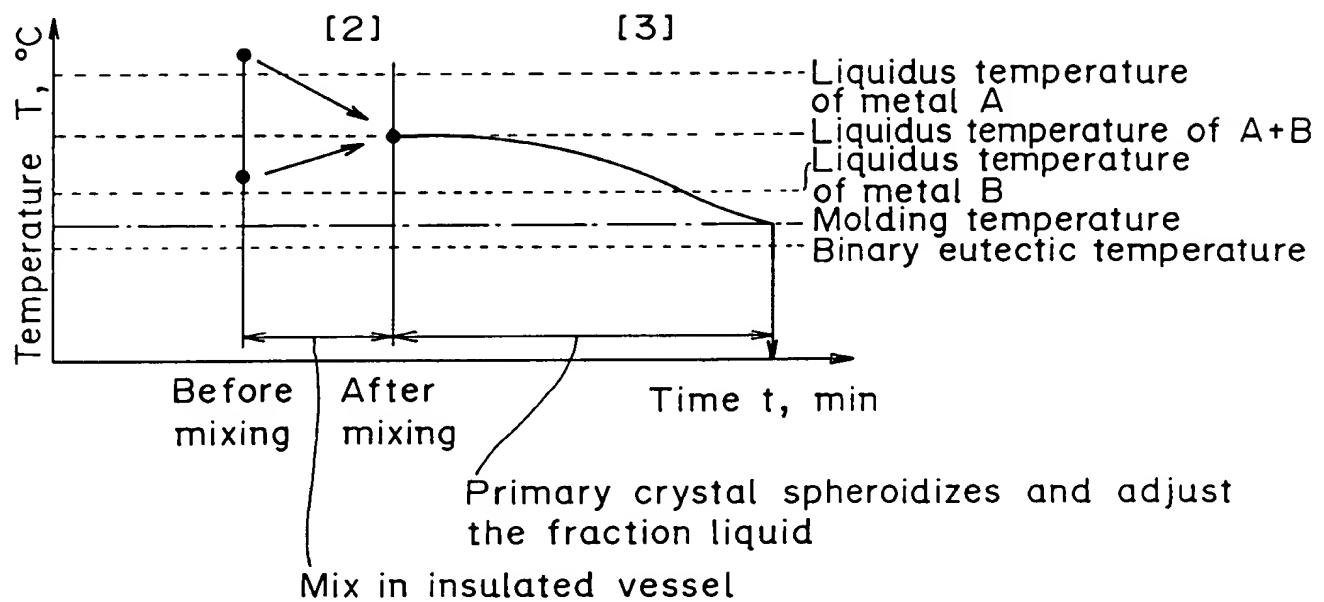
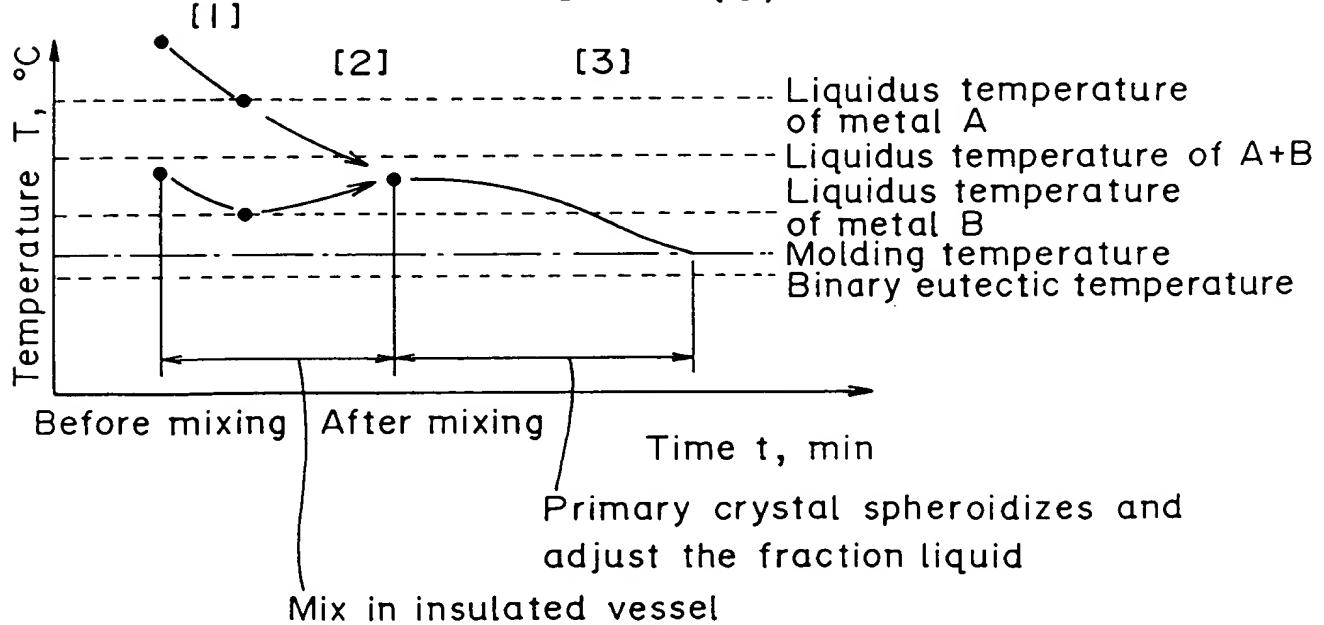


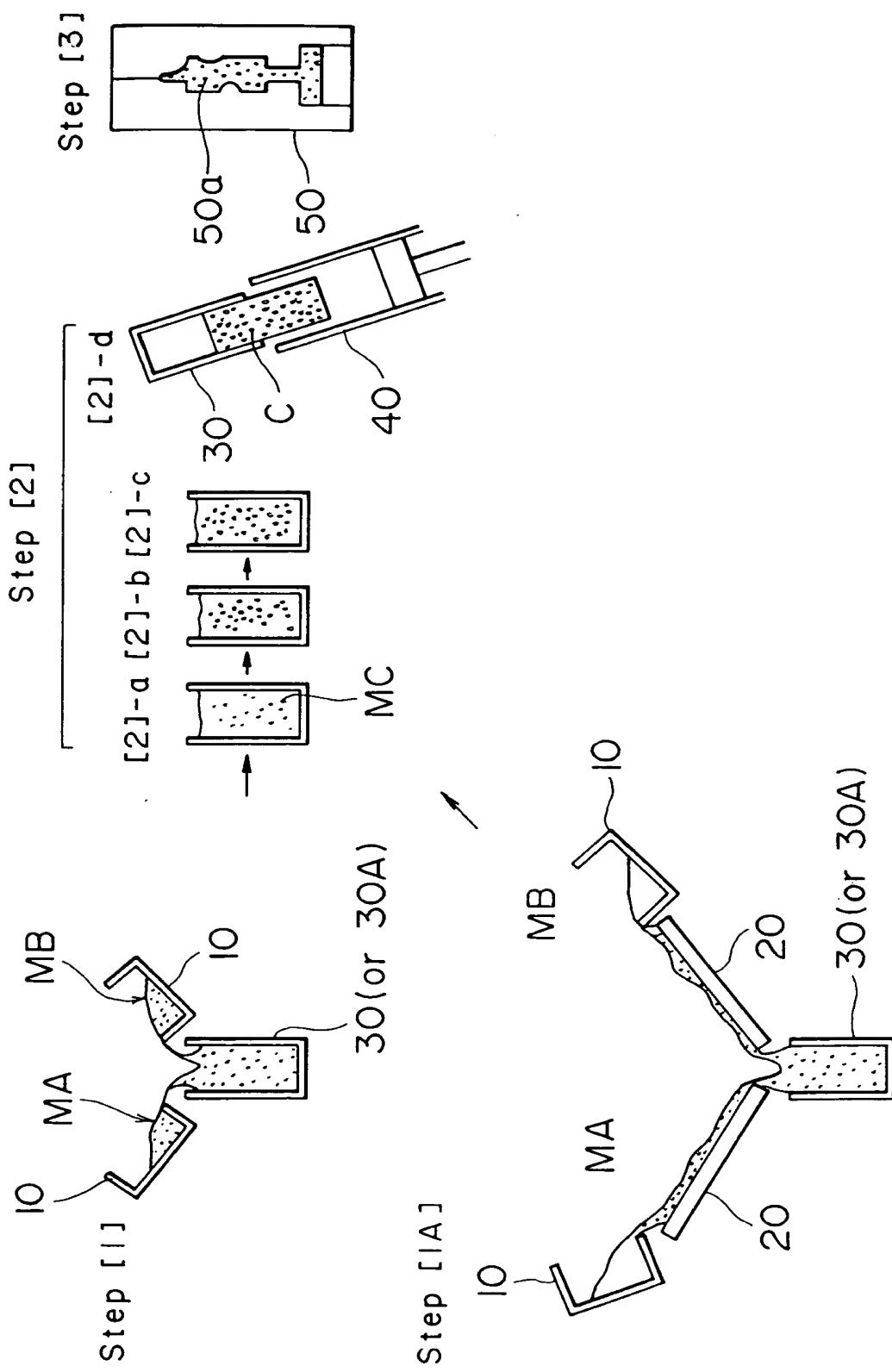
FIG. 69(b)



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

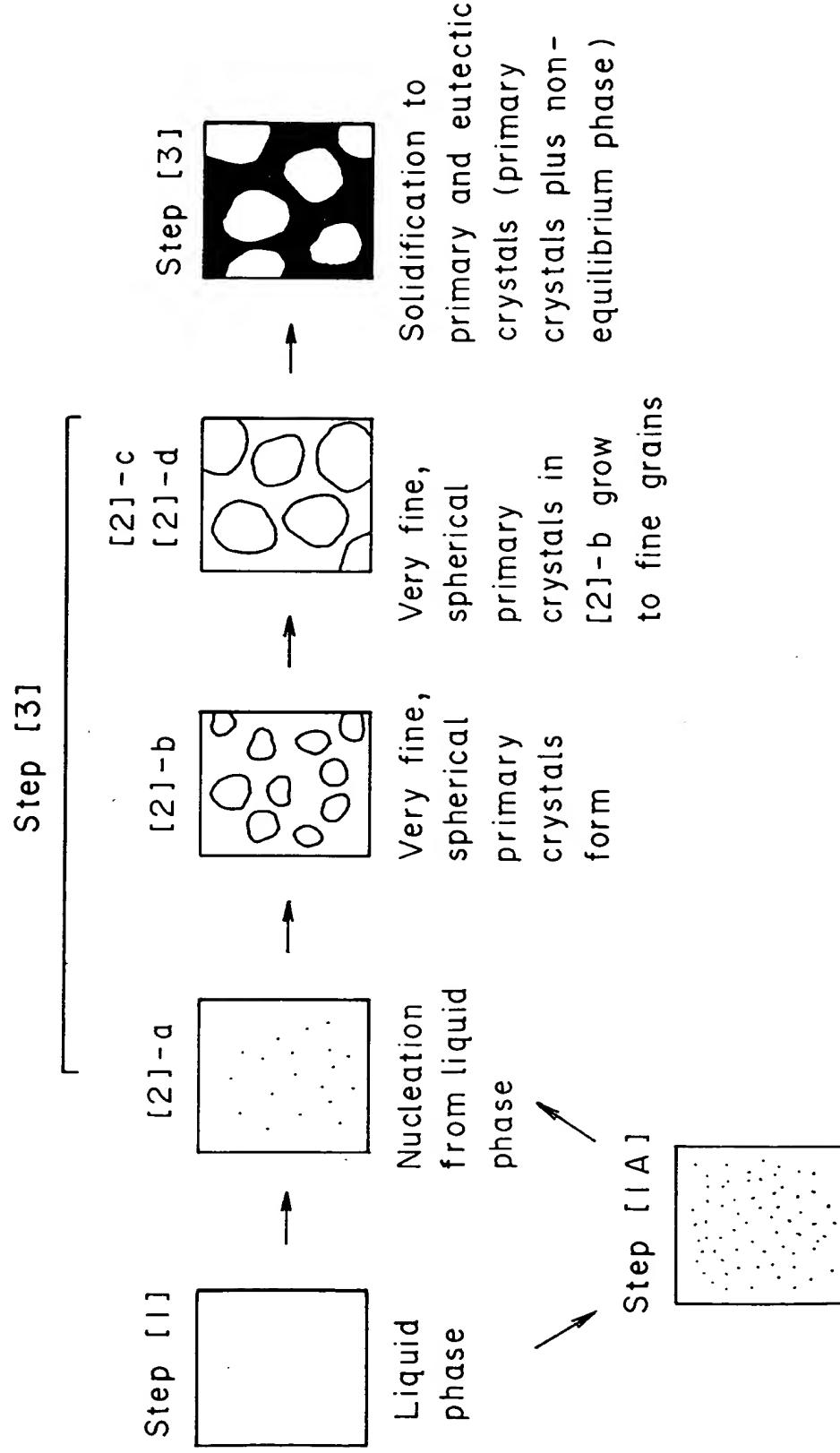
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FIG. 70



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FIG. 7



APPROVED	C.I.D. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 72

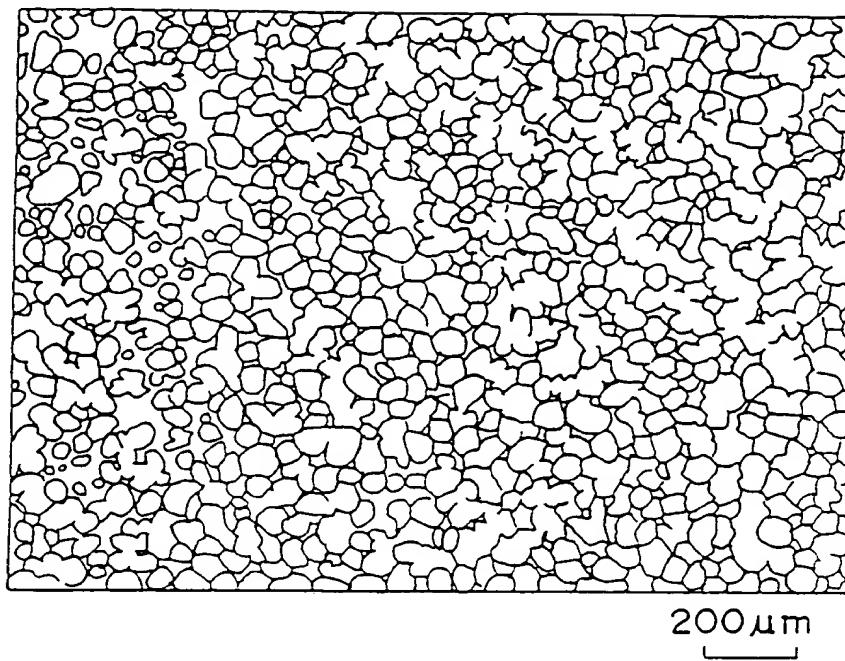
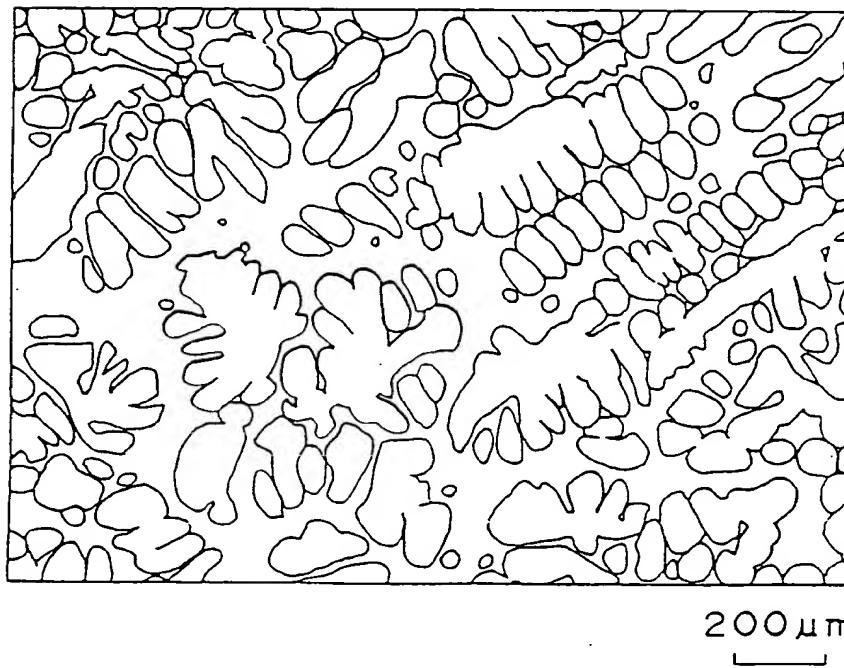


FIG. 73 Prior Art



APPROVED	O.G. FIG.
BY	
DRAFTSMAN	

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FIG. 74

